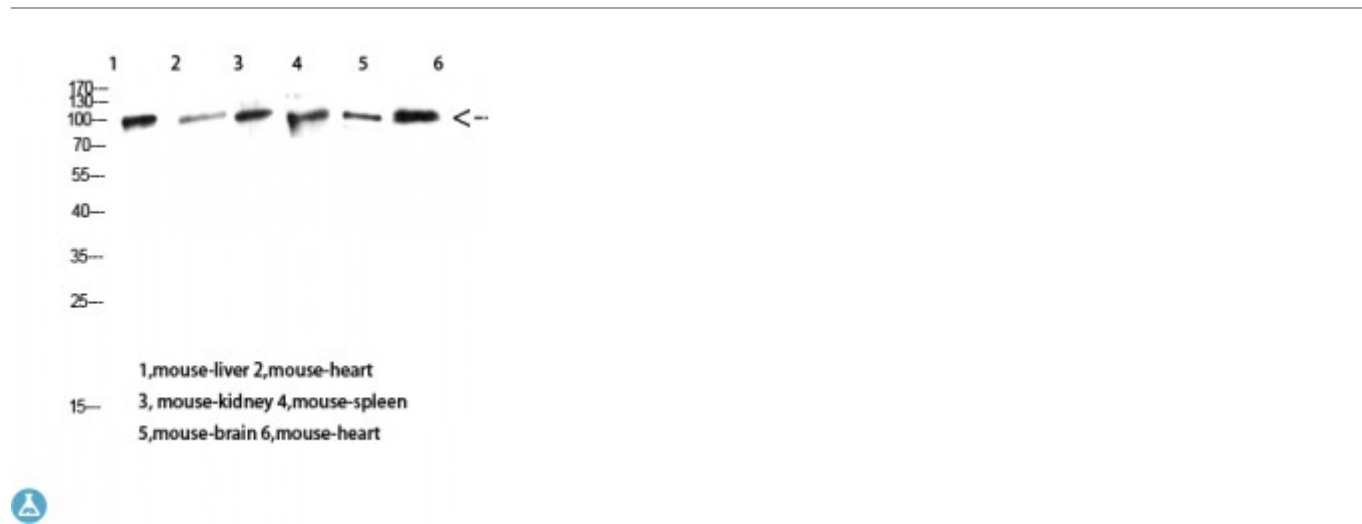


## Anti-CD13 antibody



|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Description</b>        | Rabbit polyclonal to CD13.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Model</b>              | STJ97274                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Host</b>               | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Reactivity</b>         | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Applications</b>       | ELISA, IHC, WB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Immunogen</b>          | Synthesized peptide derived from human CD13.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Immunogen Region</b>   | 881-930 aa, C-terminal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Gene ID</b>            | <a href="#">290</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Gene Symbol</b>        | <a href="#">ANPEP</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Dilution range</b>     | WB 1:500-1:2000 IHC-P 1:100-1:300 ELISA 1:10000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Specificity</b>        | CD13 Polyclonal Antibody detects endogenous levels of CD13 protein.                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Tissue Specificity</b> | Expressed in epithelial cells of the kidney, intestine, and respiratory tract; granulocytes, monocytes, fibroblasts, endothelial cells, cerebral pericytes at the blood-brain barrier, synaptic membranes of cells in the CNS. Also expressed in endometrial stromal cells, but not in the endometrial glandular cells. Found in the vasculature of tissues that undergo angiogenesis and in malignant gliomas and lymph node metastases from multiple tumor types but not in blood vessels of normal tissues. A soluble form h |
| <b>Purification</b>       | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Note</b>               | For Research Use Only (RUO).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

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|-----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Protein Name</b>                     | Aminopeptidase N AP-N hAPN Alanyl aminopeptidase Aminopeptidase M AP-M Microsomal aminopeptidase Myeloid plasma membrane glycoprotein CD13 gp150 CD antigen CD13                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Clonality</b>                        | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Conjugation</b>                      | Unconjugated                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Isotype</b>                          | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Formulation</b>                      | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Concentration</b>                    | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Storage Instruction</b>              | Store at -20°C, and avoid repeat freeze-thaw cycles.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Database Links</b>                   | <a href="#">HGNC:500OMIM:151530</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Alternative Names</b>                | Aminopeptidase N AP-N hAPN Alanyl aminopeptidase Aminopeptidase M AP-M Microsomal aminopeptidase Myeloid plasma membrane glycoprotein CD13 gp150 CD antigen CD13                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Function</b>                         | Broad specificity aminopeptidase which plays a role in the final digestion of peptides generated from hydrolysis of proteins by gastric and pancreatic proteases. Also involved in the processing of various peptides including peptide hormones, such as angiotensin III and IV, neuropeptides, and chemokines. May also be involved the cleavage of peptides bound to major histocompatibility complex class II molecules of antigen presenting cells. May have a role in angiogenesis and promote cholesterol crystallization. (Microbial infection) Acts as a receptor for human coronavirus 229E/HCoV-229E. In case of human coronavirus 229E (HCoV-229E) infection, serves as receptor for HCoV-229E spike glycoprotein . Mediates as well human cytomegalovirus (HCMV) infection . |
| <b>Cellular Localization</b>            | Cell membrane. Also found as a soluble form.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Post-translational Modifications</b> | Sulfated. N- and O-glycosylated. May undergo proteolysis and give rise to a soluble form.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |