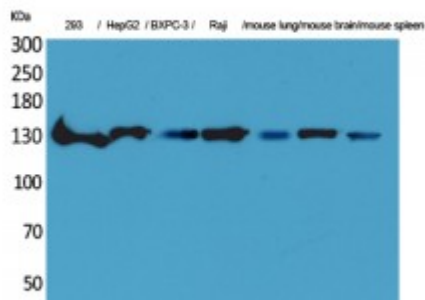


## Anti-IL-16 antibody



|                           |                                                                                                                                 |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| <b>Description</b>        | Rabbit polyclonal to IL-16.                                                                                                     |
| <b>Model</b>              | STJ96540                                                                                                                        |
| <b>Host</b>               | Rabbit                                                                                                                          |
| <b>Reactivity</b>         | Human                                                                                                                           |
| <b>Applications</b>       | ELISA, IHC, WB                                                                                                                  |
| <b>Immunogen</b>          | Synthesized peptide derived from human IL-16.                                                                                   |
| <b>Immunogen Region</b>   | C-terminal                                                                                                                      |
| <b>Gene ID</b>            | <a href="#">3603</a>                                                                                                            |
| <b>Gene Symbol</b>        | <a href="#">IL16</a>                                                                                                            |
| <b>Dilution range</b>     | WB 1:500-1:2000IHC-P 1:100-300ELISA 1:20000                                                                                     |
| <b>Specificity</b>        | IL-16 Polyclonal Antibody detects endogenous levels of IL-16 protein.                                                           |
| <b>Tissue Specificity</b> | Isoform 3 is expressed in hemopoietic tissues, such as resting T-cells, but is undetectable during active T-cell proliferation. |
| <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).                                                                                                    |
| <b>Protein Name</b>       | Pro-interleukin-16 Interleukin-16 IL-16 Lymphocyte chemoattractant factor LCF                                                   |
| <b>Molecular Weight</b>   | 66 kDa                                                                                                                          |
| <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:5980OMIM:603035</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Alternative Names</b>                | Pro-interleukin-16 Interleukin-16 IL-16 Lymphocyte chemoattractant factor LCF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Function</b>                         | Interleukin-16 stimulates a migratory response in CD4+ lymphocytes, monocytes, and eosinophils. Primes CD4+ T-cells for IL-2 and IL-15 responsiveness. Also induces T-lymphocyte expression of interleukin 2 receptor. Ligand for CD4.; Isoform 1 may act as a scaffolding protein that anchors ion channels in the membrane.; Isoform 3 is involved in cell cycle progression in T-cells. Appears to be involved in transcriptional regulation of SKP2 and is probably part of a transcriptional repression complex on the core promoter of the SKP2 gene. May act as a scaffold for GABPB1 (the DNA-binding subunit the GABP transcription factor complex) and HDAC3 thus maintaining transcriptional repression and blocking cell cycle progression in resting T-cells. |
| <b>Cellular Localization</b>            | Interleukin-16: Secreted.. Isoform 1: Cytoplasm Isoform 3: Cytoplasm. Nucleus.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Post-translational Modifications</b> | Isoform 3 is synthesized as a chemo-attractant inactive precursor in hemopoietic tissues and is proteolytically cleaved by caspase-3 to yield IL-16.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |