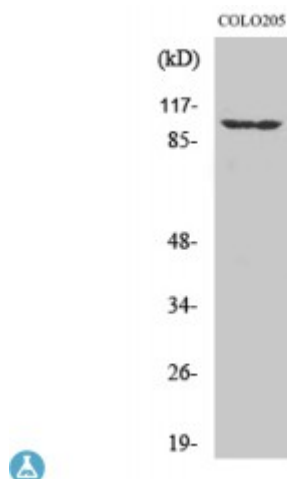


## Anti-EphA1 antibody



|                           |                                                                                                                                                           |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Description</b>        | Rabbit polyclonal to EphA1.                                                                                                                               |
| <b>Model</b>              | STJ92938                                                                                                                                                  |
| <b>Host</b>               | Rabbit                                                                                                                                                    |
| <b>Reactivity</b>         | Human                                                                                                                                                     |
| <b>Applications</b>       | ELISA, IF, IHC, WB                                                                                                                                        |
| <b>Immunogen</b>          | Synthesized peptide derived from human EphA1                                                                                                              |
| <b>Immunogen Region</b>   | 510-590 aa, Internal                                                                                                                                      |
| <b>Gene ID</b>            | <a href="#">2041</a>                                                                                                                                      |
| <b>Gene Symbol</b>        | <a href="#">EPHA1</a>                                                                                                                                     |
| <b>Dilution range</b>     | WB 1:500-1:2000IHC 1:100-1:300IF 1:200-1:1000ELISA 1:20000                                                                                                |
| <b>Specificity</b>        | EphA1 Polyclonal Antibody detects endogenous levels of EphA1 protein.                                                                                     |
| <b>Tissue Specificity</b> | Overexpressed in several carcinomas.                                                                                                                      |
| <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>       | Ephrin type-A receptor 1 hEpha1 EPH tyrosine kinase EPH tyrosine kinase 1 Erythropoietin-producing hepatoma receptor Tyrosine-protein kinase receptor EPH |
| <b>Molecular Weight</b>   | 108 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="https://www.ncbi.nlm.nih.gov/condensedbook/condensedbook.cgi?acc=HGNC:3385OMIM:179610">HGNC:3385OMIM:179610</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Alternative Names</b>                | Ephrin type-A receptor 1 hEpha1 EPH tyrosine kinase EPH tyrosine kinase 1 Erythropoietin-producing hepatoma receptor Tyrosine-protein kinase receptor EPH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Function</b>                         | Receptor tyrosine kinase which binds promiscuously membrane-bound ephrin-A family ligands residing on adjacent cells, leading to contact-dependent bidirectional signaling into neighboring cells. The signaling pathway downstream of the receptor is referred to as forward signaling while the signaling pathway downstream of the ephrin ligand is referred to as reverse signaling. Binds with a low affinity EFNA3 and EFNA4 and with a high affinity to EFNA1 which most probably constitutes its cognate/functional ligand. Upon activation by EFNA1 induces cell attachment to the extracellular matrix inhibiting cell spreading and motility through regulation of ILK and downstream RHOA and RAC. Plays also a role in angiogenesis and regulates cell proliferation. May play a role in apoptosis. |
| <b>Cellular Localization</b>            | Cell membrane                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Post-translational Modifications</b> | Phosphorylated. Autophosphorylation is stimulated by its ligand EFNA1.; Ubiquitinated.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |