



# EphA4 rabbit pAb

Cat No.:ES20224

For research use only

## Overview

|                                 |                                                                                                                                                                                                                                                                                   |
|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Name</b>             | EphA4 rabbit pAb                                                                                                                                                                                                                                                                  |
| <b>Host species</b>             | Rabbit                                                                                                                                                                                                                                                                            |
| <b>Applications</b>             | WB; ELISA                                                                                                                                                                                                                                                                         |
| <b>Species Cross-Reactivity</b> | Human;Rat;Mouse;                                                                                                                                                                                                                                                                  |
| <b>Recommended dilutions</b>    | WB 1:1000-2000 ELISA 1:5000-20000                                                                                                                                                                                                                                                 |
| <b>Immunogen</b>                | Synthesized peptide derived from human EphA4 AA range: 540-620                                                                                                                                                                                                                    |
| <b>Specificity</b>              | This antibody detects endogenous levels of Human EphA4                                                                                                                                                                                                                            |
| <b>Formulation</b>              | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.                                                                                                                                                                                                           |
| <b>Storage</b>                  | Store at -20°C . Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                                               |
| <b>Protein Name</b>             | EphA4                                                                                                                                                                                                                                                                             |
| <b>Gene Name</b>                | EPHA4 HEK8 SEK TYRO1                                                                                                                                                                                                                                                              |
| <b>Cellular localization</b>    | Cell membrane ; Single-pass type I membrane protein . Cell projection, axon . Cell projection, dendrite . Cell junction, synapse, postsynaptic density membrane . Early endosome . Cell junction, adherens junction . Clustered upon activation and targeted to early endosome. . |
| <b>Purification</b>             | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                                                                                                                                                             |
| <b>Clonality</b>                | Polyclonal                                                                                                                                                                                                                                                                        |
| <b>Concentration</b>            | 1 mg/ml                                                                                                                                                                                                                                                                           |
| <b>Observed band</b>            |                                                                                                                                                                                                                                                                                   |
| <b>Human Gene ID</b>            | 2043                                                                                                                                                                                                                                                                              |
| <b>Human Swiss-Prot Number</b>  | P54764                                                                                                                                                                                                                                                                            |
| <b>Alternative Names</b>        | Ephrin type-A receptor 4 (EC 2.7.10.1;EPH-like kinase 8;EK8;hEK8;Tyrosine-protein kinase TYRO1;Tyrosine-protein kinase receptor SEK)                                                                                                                                              |
| <b>Background</b>               | This gene belongs to the ephrin receptor subfamily of the protein-tyrosine kinase family. EPH and                                                                                                                                                                                 |





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EPH-related receptors have been implicated in mediating developmental events, particularly in the nervous system. Receptors in the EPH subfamily typically have a single kinase domain and an extracellular region containing a Cys-rich domain and 2 fibronectin type III repeats. The ephrin receptors are divided into 2 groups based on the similarity of their extracellular domain sequences and their affinities for binding ephrin-A and ephrin-B ligands. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2015],



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