

EphA4 (phospho Tyr596) Polyclonal Antibody

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|------------------------------|---|
| Catalog No : | YP0507 |
| Reactivity : | Human;Mouse |
| Applications : | WB;ELISA |
| Target : | EphA4 |
| Fields : | >>Axon guidance |
| Gene Name : | EPHA4 |
| Protein Name : | Ephrin type-A receptor 4 |
| Human Gene Id : | 2043 |
| Human Swiss Prot No : | P54764 |
| Mouse Gene Id : | 13838 |
| Mouse Swiss Prot No : | Q03137 |
| Immunogen : | Synthesized phospho-peptide around the phosphorylation site of human EphA4 (phospho Tyr596) |
| Specificity : | Phospho-EphA4 (Y596) Polyclonal Antibody detects endogenous levels of EphA4 protein only when phosphorylated at Y596. |
| Formulation : | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| Source : | Polyclonal, Rabbit,IgG |
| Dilution : | WB 1:500 - 1:2000. ELISA: 1:10000. Not yet tested in other applications. |
| Purification : | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| Concentration : | 1 mg/ml |

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 110kD

Cell Pathway : Axon guidance;

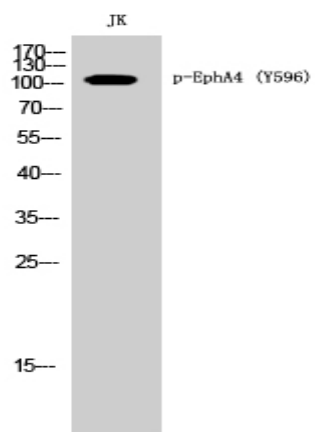
Background : This gene belongs to the ephrin receptor subfamily of the protein-tyrosine kinase family. EPH and EPH-related receptors have been implicated in mediating developmental events, particularly in the nervous system. Receptors in the EPH subfamily typically have a single kinase domain and an 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],

Function : catalytic activity:ATP + a [protein]-L-tyrosine = ADP + a [protein]-L-tyrosine phosphate.,domain:The protein kinase domain mediates interaction with NGEF/ephexin-1.,function:Receptor for members of the ephrin-A family. Binds to ephrin-A1, -A4 and -A5. Binds more poorly to ephrin-A2 and -A3. May play a role in a signal transduction process involved in hindbrain pattern formation.,similarity:Belongs to the protein kinase superfamily. Tyr protein kinase family.,similarity:Belongs to the protein kinase superfamily. Tyr protein kinase family. Ephrin receptor subfamily.,similarity:Contains 1 protein kinase domain.,similarity:Contains 1 SAM (sterile alpha motif) domain.,similarity:Contains 2 fibronectin type-III domains.,subunit:Interacts with the src family kinase, p59-Fyn, through the major phosphorylation site at position Tyr-602. Interacts with NGEF/ephexin-1.,tissue specificity:Ubiquitous.

Subcellular Location : 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. .

Expression : Ubiquitous.

Products Images



Western Blot analysis of JK cells using Phospho-EphA4 (Y596)
Polyclonal Antibody