

EphA4 (Phospho Tyr596) Rabbit pAb

CatalogNo: YP0507

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse

Applications

- WB, ELISA

MW

- 110kD (Observed)

Isotype

- IgG

Recommended Dilution Ratios

WB 1:500-1:2000**ELISA 1:10000****Not yet tested in other applications.**

Storage

Storage*

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

Formulation

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality

Polyclonal

Immunogen Information

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. The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites): RTyVD

Target Information

Gene name EPHA4

Protein Name Ephrin type-A receptor 4

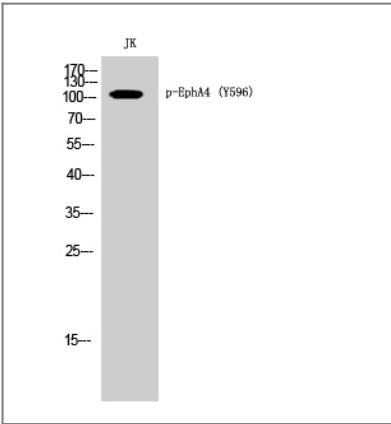
Organism	Gene ID	UniProt ID
Human	2043 ;	P54764 ;
Mouse	13838 ;	Q03137 ;

Cellular Localization 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. .

Tissue specificity Ubiquitous.

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.,

Validation Data



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

Contact information

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**EphA4 (Phospho
Tyr596) Rabbit pAb**

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