

EphB1/2/3/4 (Phospho Tyr600/602/614/596) Rabbit pAb

CatalogNo: YP1760

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB

MW

- 108kD (Calculated)

Isotype

- IgG

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.

Recommended Dilution Ratios

WB 1:500-2000

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen Synthesized peptide derived from human EPHB1/2/3/4 (Phospho-Tyr600/602/614/596)

Specificity This antibody detects endogenous levels of EPHB1/2/3/4 only when phosphorylated at Tyr600/602/614/596. 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 When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports.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):FTyED

Target Information

Gene name EPHB1 ELK EPHT2 HEK6 NET

Protein Name EPHB1/2/3/4 (Phospho-Tyr600/602/614/596)

Organism	Gene ID	UniProt ID
Human	2047 ; 2048 ; 2049 ; 2050 ;	P54762 ; P29323 ; P54753 ; P54760 ;
Mouse	270190 ;	Q8CBF3 ;
Rat	24338 ;	P09759 ;

Cellular Localization Cell membrane ; Single-pass type I membrane protein . Early endosome membrane . Cell projection, dendrite .

Tissue specificity Preferentially expressed in brain.

Function Catalytic activity:ATP + a [protein]-L-tyrosine = ADP + a [protein]-L-tyrosine phosphate.,Function:Receptor for members of the ephrin-B family. Binds to ephrin-B1, -B2 and -B3. May be involved in cell-cell interactions in the nervous system.,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:The ligand-activated form interacts with GRB2, GRB10 and NCK through their respective SH2 domains. The GRB10 SH2 domain binds EPHB1 through Tyr-928, while GRB2 binds residues within the catalytic domain. Interacts with EPHB6. The NCK SH2 domain binds EPHB1 through Tyr-594. Interacts with PRKCABP.,tissue specificity:Preferentially expressed in brain.,

Validation Data

Contact information

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Tyr600/602/614/596)
Rabbit pAb**