

## EphB1/3/4 (Phospho Tyr778/792/774) Rabbit pAb

CatalogNo: YP1726

### | Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human, Mouse, Rat

#### Applications

- WB

#### MW

- 108kD (Calculated)

#### Isotype

- IgG

### | Recommended Dilution Ratios

**WB 1:500-2000**

### | 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 peptide derived from human EPH B1/3/4 (Phospho-Tyr778/792/774)

**Specificity** This antibody detects endogenous levels of EPHB1 only when phosphorylated at thr778 and EPHB3 only when phosphorylated at thr792 and EPHB4 only when phosphorylated at thr794. 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 When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports.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): PTyTS

## Target Information

**Gene name** EPHB1 ELK EPHT2 HEK6 NET  
**Protein Name** EPH B1/3/4 (Phospho-Tyr778/792/774)

Organism	Gene ID	UniProt ID
Human	<a href="#">2047;</a>	<a href="#">P54762;</a>
Mouse	<a href="#">270190;</a>	<a href="#">Q8CBF3;</a>
Rat	<a href="#">24338;</a>	<a href="#">P09759;</a>

**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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