

## EphA3/4/5 (Phospho Tyr779/833) Rabbit pAb

CatalogNo: YP1041

### Key Features

**Host Species**

- Rabbit

**Reactivity**

- Human, Mouse, Rat

**Applications**

- IHC, IF, ELISA

**MW**

- 110kD (Observed)

**Isotype**

- IgG

### Recommended Dilution Ratios

**IHC 1:100-1:300****ELISA 1:10000****IF 1:50-200**

### 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**

The antiserum was produced against synthesized peptide derived from human EPHA3/4/5 around the phosphorylation site of Tyr779/833. AA range: 746-795

**Specificity**

This antibody detects endogenous levels of EphA3/4/5 only when phosphorylated at Human: Y779/779/833, Mouse: Y779/779/672, Rat: Y780/-/835. 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 When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports.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): AAyTT

## | Target Information

**Gene name** EPHA3/EPHA4/EPHA5

**Protein Name** Ephrin type-A receptor 3/4/5

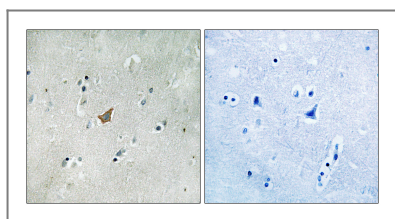
Organism	Gene ID	UniProt ID
Human	<a href="#">2042</a> ; <a href="#">2043</a> ;	<a href="#">P29320</a> ; <a href="#">P54764</a> ; <a href="#">P54756</a> ;
Mouse	<a href="#">13838</a> ; <a href="#">13839</a> ;	
Rat	<a href="#">29210</a> ; <a href="#">79208</a> ;	<a href="#">O08680</a> ; <a href="#">P54757</a> ;

**Cellular Localization** [Isoform 1]: Cell membrane ; Single-pass type I membrane protein .; [Isoform 2]: Secreted .

**Tissue specificity** Widely expressed. Highest level in placenta.

**Function** Catalytic activity:ATP + a [protein]-L-tyrosine = ADP + a [protein]-L-tyrosine phosphate.,Disease:Defects in EPHA3 may be a cause of colorectal cancer (CRC) [MIM:114500].,Function:Receptor for members of the ephrin-A family. Binds to ephrin-A2, -A3, -A4 and -A5. Could play a role in lymphoid function.,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.,tissue specificity:Widely expressed. Highest level in placenta.,

## | Validation Data



Immunohistochemistry analysis of paraffin-embedded human brain, using EPHA3/4/5 (Phospho-Tyr779/833) Antibody. The picture on the right is blocked with the phospho peptide.

## | Contact information

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Please scan the QR code to access additional product information:  
**EphA3/4/5 (Phospho-Tyr779/833) Rabbit pAb**

