



## Rabbit Anti-phospho-Ephrin B1 (Tyr317) antibody

SL10690R

<b>Product Name:</b>	phospho-Ephrin B1 (Tyr317)
<b>Chinese Name:</b>	磷酸化Ephrin B1抗体
<b>Alias:</b>	phospho-Ephrin B1 (phospho Y317); Ephrin B (phospho Y317); p-Ephrin B (phospho Y317); phospho-Ephrin B1 (Tyr317); phospho-Ephrin B2(Tyr316); CEK5 ligand; EFNB1; ELK L; EphrinB; Ephrin-B; ELK ligand; ELKL; EPH related receptor tyrosine kinase ligand 2; Ephrin B Precursor; Ephrin B1; Ephrin B2; LERK 2; LERK2; EFNB1_HUMAN; EFNB2_HUMAN.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Cow,Horse,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	34kDa
<b>Cellular localization:</b>	The cell membrane
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated Synthesised phosphopeptide derived from human Ephrin B1 around the phosphorylation site of Tyr317:PH(p-Y)EK
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	Ephrin B proteins are thought to play key roles in cellular functions as diverse as

neuronal migration and blood vessel development. Ephrin B molecules expressed at the membrane surface bind to the Ephrin B family receptors on target cells during cell to cell contact. This interaction leads to cell signaling in the target cell but also generates a reverse signal in the cell expressing Ephrin B on its surface. This reverse signaling event is thought to be critical for vessel maturation and neuronal development. Importantly, tyrosine phosphorylation of Ephrin B is thought to be a critical component of this reverse signaling event. Recent work demonstrated that Tyr331 of Ephrin B was phosphorylated in HEK293 cells after stimulation by the soluble Ephrin B2 receptor tyrosine kinase.

**Subunit:**

Interacts with GRIP1 and GRIP2. Binds to Nipah virus G protein.

**Tissue Specificity:**

Highly expressed in brain; expressed in embryonic floor plate, roof plate and hindbrain segments.

**Post-translational modifications:**

Membrane; single pass type I membrane protein.

**Similarity:**

Belongs to the ephrin family.  
Contains 1 ephrin RBD (ephrin receptor-binding) domain.

**SWISS:**

P52799

**Gene ID:**

1947

**Database links:**

[Entrez Gene: 1947](#) Human

[Entrez Gene: 1948](#) Human

[Entrez Gene: 13641](#) Mouse

[Entrez Gene: 13642](#) Mouse

[Entrez Gene: 25186](#) Rat

[Omim: 300035](#) Human

[Omim: 600527](#) Human

[SwissProt: P52799](#) Human

[SwissProt: P98172](#) Human

[SwissProt: P52795](#) Mouse

[SwissProt: P52800](#) Mouse

[SwissProt: P52796](#) Rat

[SwissProt: Q6P7B6](#) Rat

[Unigene: 144700](#) Human

[Unigene: 149239](#) Human

[Unigene: 44398](#) Rat

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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