



Rabbit Anti-phospho-Ephrin B2 (Tyr311/316) antibody

SL10940R

Product Name:	phospho-Ephrin B2 (Tyr311/316)
Chinese Name:	磷酸化Ephrin B2抗体
Alias:	phospho-Ephrin B2 (Tyr311+Tyr316); Ephrin B2 (phospho Y311 + Y316); 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.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Rabbit,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-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.
Molecular weight:	36kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated Synthesised phosphopeptide derived from human Ephrin B2 around the phosphorylation site of Tyr311/316:GD(p-Y)GHPV(p-Y)IV
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	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.
PubMed:	PubMed
Product Detail:	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.

Subcellular Location:

Membrane; single pass type I membrane protein.

Tissue Specificity:

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

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.

www.sunlongbiotech.com