

**Product Name: Ephrin-B1/2 (phospho Tyr329) Rabbit Polyclonal Antibody**  
**Catalog #: APRab04618**



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## Summary

<b>Production Name</b>	Ephrin-B1/2 (phospho Tyr329) Rabbit Polyclonal Antibody
<b>Description</b>	Rabbit Polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	IHC,ELISA
<b>Reactivity</b>	Human,Mouse,Rat

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Phospho Antibody
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Form</b>	Liquid
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
<b>Purification</b>	Affinity purification

## Immunogen

<b>Gene Name</b>	EFNB1/EFNB2 EFNB1; EFL3; EPLG2; LERK2; Ephrin-B1; EFL-3; ELK ligand; ELK-L; EPH-related receptor
<b>Alternative Names</b>	tyrosine kinase ligand 2; LERK-2; EFNB2; EPLG5; HTKL; LERK5; Ephrin-B2; EPH-related receptor tyrosine kinase ligand 5; LERK-5; HTK ligand; HTK-L
<b>Gene ID</b>	1947/1948
<b>SwissProt ID</b>	P98172/P52799.The antiserum was produced against synthesized peptide derived from human Ephrin B1/B2 around the phosphorylation site of Tyr329. AA range:295-344

## Application

<b>Dilution Ratio</b>	IHC 1:100 - 1:300. ELISA: 1:10000..
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**Molecular Weight**

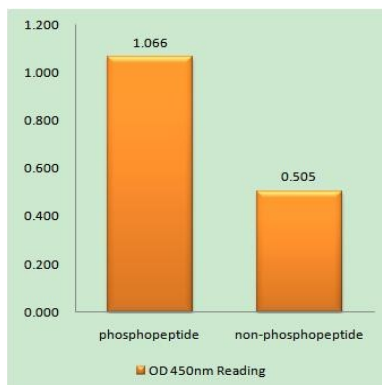
**Background**

The protein encoded by this gene is a type I membrane protein and a ligand of Eph-related receptor tyrosine kinases. It may play a role in cell adhesion and function in the development or maintenance of the nervous system. [provided by RefSeq, Jul 2008],disease:Defects in EFNB1 are a cause of craniofrontonasal syndrome (CFNS) [MIM:304110]; also known as craniofrontonasal dysplasia (CFND). CFNS is an X-linked inherited syndrome characterized by hypertelorism, coronal synostosis with brachycephaly, downslanting palpebral fissures, clefting of the nasal tip, joint anomalies, longitudinally grooved fingernails and other digital anomalies.,function:Binds to the receptor tyrosine kinases EPHB1 and EPHA1. Binds to, and induce the collapse of, commissural axons/growth cones in vitro. May play a role in constraining the orientation of longitudinally projecting axons.,induction:By TNF-alpha.,PTM:Inducible phosphorylation of tyrosine residues in the cytoplasmic domain.,similarity:Belongs to the ephrin family.,subunit:Interacts with GRIP1 and GRIP2.,tissue specificity:Heart, placenta, lung, liver, skeletal muscle, kidney, pancreas.,

**Research Area**

Axon guidance;

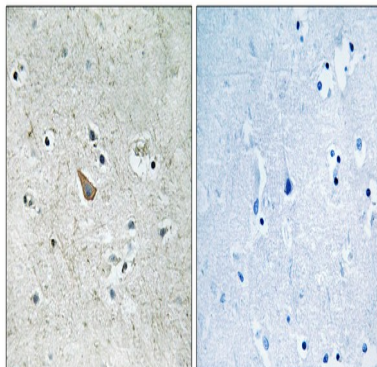
**Image Data**



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right) , using Ephrin B1/B2 (Phospho-Tyr329) Antibody

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Immunohistochemistry analysis of paraffin-embedded human brain, using Ephrin B1/B2 (Phospho-Tyr329) Antibody. The picture on the right is blocked with the phospho peptide.

**Note**

For research use only.