Product Name: Ephrin-B1/2/3 (phospho Tyr324) Rabbit Polyclonal Antibody
Catalog #: APRab04620

Summary

Production Name	Ephrin-B1/2/3 (phospho Tyr324) Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	IHC,WB,ELISA
Reactivity	Human,Mouse,Rat

Performance

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

Immunogen

Gene Name	EFNB1/EFNB2/EFNB3
Alternative Names	EFNB1; EFL3; EPLG2; LERK2; Ephrin-B1; EFL-3; ELK ligand; ELK-L; EPH-related receptor 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; EFNB3; EP
Gene ID	1947/1948/1949
SwissProt ID	P98172/P52799/Q15768.The antiserum was produced against synthesized peptide derived from human Ephrin B1/B2/B3 around the phosphorylation site of Tyr324. AA range:290-339

Application

Dilution Ratio	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:20000..

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Molecular Weight	46kD

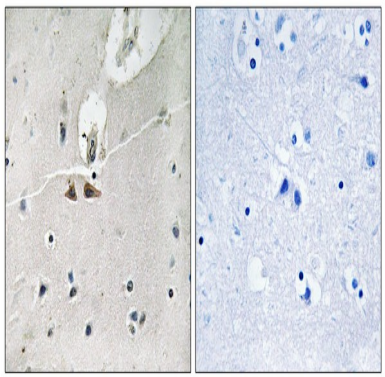
Background

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



Immunohistochemistry analysis of paraffin-embedded human brain, using Ephrin B1/B2/B3 (Phospho-Tyr324) Antibody. The picture on the right is blocked with the phospho peptide.

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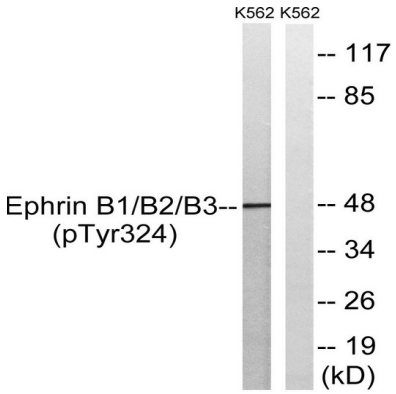
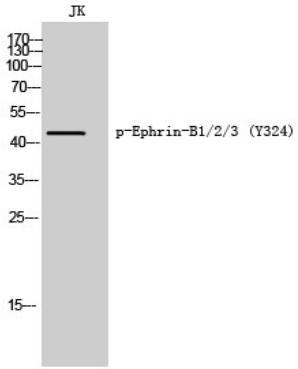


Western blot analysis of lysates from K562 cells treated with serum 20% 15 ', using Ephrin B1/B2/B3 (Phospho-Tyr324) Antibody. The lane on the right is blocked with the phospho peptide.



Western Blot analysis of JK cells using Phospho-Ephrin-B1/2/3 (Y324) Polyclonal Antibody

Note

For research use only.