

Rabbit EFNB1 Polyclonal Antibody | anti-EFNB1 antibody

EFNB1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326730	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

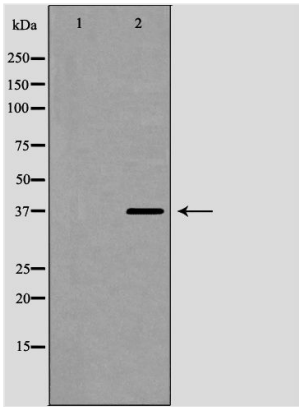
PRODUCT SYNONYMS

EFNB1; Polyclonal Antibody; EFNB1 Antibody; CFND; CFNS; Craniofrontonasal syndrome (craniofrontonasal dysplasia); EFL 3; EFL-3; EFL3; EFNB1_HUMAN; Elk L; ELK ligand; ELK-L; Eph related receptor tyrosine kinase ligand 2; EPH-related receptor tyrosine kinase ligand 2; Ephrin-B1; EPLG2; LERK 2; LERK-2; LERK2; Ligand of eph related kinase 2; MGC8782; anti-EFNB1 antibody

PRODUCT SPECIFICATIONS

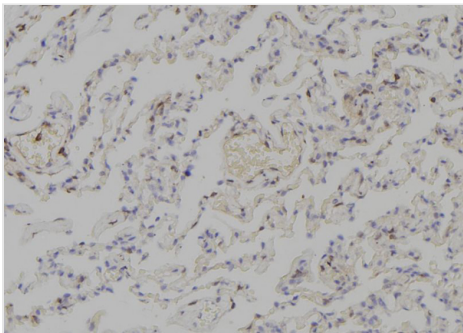
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	EFNB1 antibody detects endogenous levels of total EFNB1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	346
Applicable Applications for anti-EFNB1 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide of human EFNB1
Subcellular Location	Membrane.
Tissue Specificity	Heart, placenta, lung, liver, skeletal muscle, kidney, pancreas.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of Rat testes lysate, using EFNB1 Antibody. The lane on the left is treated with the antigen-specific peptide.



IHC (Immunohistochemistry)

AAA326730 at 1/100 staining Human lung tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-EFNB1 antibody

Description: 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.

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 (By similarity).

Subunit Structure: Interacts with GRIP1 and GRIP2. Interacts with TLE1.

Post-translational Modifications: Inducible phosphorylation of tyrosine residues in the cytoplasmic domain.

Similarity: Belongs to the ephrin family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4758248
NCBI GeneID	1947
NCBI Accession #	NP_004420.1
NCBI GenBank Nucleotide #	NM_004429.4
UniProt Accession #	P98172; D3DVFU0
Molecular Weight	Observed: 38 kDa Predicted: 39 kDa
NCBI Official Full Name	ephrin-B1
NCBI Official Synonym Full Names	ephrin B1
NCBI Official Symbol	EFNB1
NCBI Official Synonym Symbols	CFND; CFNS; EFB1; EFL3; EPLG2; Elk-L; LERK2
NCBI Protein Information	ephrin-B1
UniProt Protein Name	Ephrin-B1
UniProt Gene Name	EFNB1
UniProt Synonym Gene Names	EFL3; EPLG2; LERK2; ELK-L; LERK-2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

