EFNB1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	EFNB1, Polyclonal Antibody
Full Product Name	EFNB1 Rabbit pAb
Product Gene Name	anti-EFNB1 antibody
Product Synonym Names	CFND; CFNS; EFB1; EFL3; EPLG2; Elk-L; LERK2
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Mouse
Form/Format	PBS with 0.02% Sodium Azide, 50% Glycerol, pH 7.3.
Purity/Purification	Affinity Purified
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.
Molecular Weight	37kDa
OMIM	300035
3D Structure	ModBase 3D Structure for P98172
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 259-346 of human EFNB1 (NP_004420.1).
Cellular Localization	Membrane
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-EFNB1 antibody	Western Blot (WB)
Application Notes for anti-EFNB1 antibody	WB: 1:500-1:2000
Related Product Information for anti-EFNB1 antibody	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.
Other Notes	Small volumes of anti-EFNB1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for EFNB1 purchase	MBS8549506 is an antibody targeting EFNB1. Also known as EFNB1 Rabbit pAb. Reactive in Mouse. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for EFNB1. It may not necessarily be applicable to this product.

NCBI GI #	4758248
NCBI GeneID	1947
NCBI Accession #	NP_004420.1

UniProt Primary Accession #	P98172
UniProt Related Accession #	P98172
GenBank Nucleotide #	NP_004420.1
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
UniProt Protein Name	Ephrin-B1
UniProt Synonym Protein Names	EFL-3; ELK ligand; ELK-L; EPH-related receptor tyrosine kinase ligand 2
Protein Family	Ephrin
UniProt Gene Name	EFNB1
UniProt Synonym Gene Names	EFL3; EPLG2; LERK2; ELK-L; LERK-2
UniProt Entry Name	EFNB1_HUMAN
NCBI Protein Information	ephrin-B1
NCBI Summary for EFNB1	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]
UniProt Comments for EFNB1	EFNB1: a type I membrane protein of the ephrin family. A ligand of Eph-related receptor tyrosine kinases EphB1 and EphA1. Ephrins and ephrin receptors mediate numerous developmental processes, particularly in the nervous system. Ephrin-B1 may play a role in cell adhesion and functions in the development or maintenance of the nervous system. Binding to its receptor induces the collapse of commissural axons/growth cones in vitro. Induced by TNF-alpha. Expressed in brain, heart, placenta, lung, liver, skeletal muscle, kidney, and pancreas. Protein type: Membrane protein, integral; Ligand, receptor tyrosine kinase Chromosomal Location of Human Ortholog: Xq12 Cellular Component: integral to plasma membrane; cytoplasm; plasma membrane; synapse; nucleus; lipid raft Molecular Function: protein binding; ephrin receptor binding Biological Process: axon guidance; cell-cell signaling; ephrin receptor signaling pathway; positive regulation of T cell proliferation; cell adhesion; embryonic pattern specification; neural crest cell migration Disease: Craniofrontonasal Syndrome
Research Articles on EFNB1	**1.** the results of this study confirm that EfnB1 contributes to the stromal support of hematopoietic stem/progenitor cells (HSPCs) function and maintenance and may be an important factor in regulating the HSPC niche.
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