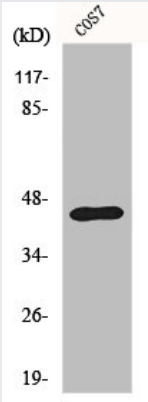
EFNB1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	EFNB1, Polyclonal Antibody
Full Product Name	EFNB1 Antibody
Product Gene Name	anti-EFNB1 antibody
Product Synonym Names	EFNB1; EFL3; EPLG2; LERK2; Ephrin-B1; EFL-3; ELK ligand; ELK-L; EPH-related receptor Tyrosine kinase ligand 2; LERK-2
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat, Monkey
Form/Format	Liquid; In Phosphate Buffered Saline, 50% Glycerol, 0.5% BSA and 0.02% Sodium Azide.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.
Molecular Weight	38,007 Da
Chromosome Location	Chromosome: X; NC_000023.10 (68048840..68062007). Location: Xq12
OMIM	300035
3D Structure	ModBase 3D Structure for P98172
Immunogen	Synthesized peptide derived from human Ephrin-B1 around the non-phosphorylation site of Y317.
Immunogen Species	Human
Conjugate	Non-conjugated
Product Categories/Family for anti-EFNB1 antibody	Signal Transduction
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-EFNB1 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-EFNB1 antibody	WB: 1:500-1:2000 ELISA: 1:40000
Related Product Information for anti-EFNB1 antibody	MBS7116302 is an antibody targeting EFNB1. Also known as EFNB1 Antibody. Reactive in Human, Mouse, Rat, Monkey. Host: Rabbit.
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.



Western Blot (WB) of anti-EFNB1 antibody
Western Blot analysis of COS7 cells using Ephrin-B1 Polyclonal Antibody

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 Secondary Accession #	D3DVU0
UniProt Related Accession #	P98172
GenBank Nucleotide #	NM_004429.4
NCBI Official Full Name	ephrin-B1
NCBI Official Synonym Full Names	ephrin-B1
NCBI Official Symbol	EFNB1
NCBI Official Synonym Symbols	CFND; CFNS; 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; EFL-3; LERK-2; ELK ligand; ligand of eph-related kinase 2; eph-related receptor tyrosine kinase ligand 2
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.** These results indicate a novel function of Nm23-H1 to control contact inhibition of locomotion, and its negative regulation by ephrin-B1.
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