EFNB2a Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	EFNB2a, Polyclonal Antibody
Full Product Name	EFNB2a (Center) (DANRE) Rabbit pAb
Product Gene Name	anti-EFNB2a antibody
Product Synonym Names	Ephrin-B2a; efnb2a; efnb2
Clonality	Polyclonal
Isotype	Ig
Host	Rabbit
Species Reactivity	Zebrafish
Form/Format	Supplied in PBS with 0.09% (W/V) Sodium Azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Purity/Purification	Affinity Purified
3D Structure	ModBase 3D Structure for O73874
Immunogen	This DANRE efnb2a antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 163-194 amino acids from the central region of DANRE efnb2a.
Cellular Localization	Membrane
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-EFNB2a antibody	Western Blot (WB)
Application Notes for anti-EFNB2a antibody	WB: 1:1000
Related Product Information for anti-EFNB2a antibody	MBS8555823 is an antibody targeting EFNB2a. Also known as EFNB2a (Center) (DANRE) Rabbit pAb. Reactive in Zebrafish. Host: Rabbit.
Other Notes	Small volumes of anti-EFNB2a 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for EFNB2a. It may not necessarily be applicable to this product.

NCBI GI #	18858593
NCBI GeneID	30219
NCBI Accession #	NP_571098.1
UniProt Primary Accession #	O73874
UniProt Related Accession #	O73874
GenBank Nucleotide #	NP_571098.1
NCBI Official Full Name	ephrin-B2a

NCBI Official Synonym Full Names	ephrin-B2a
NCBI Official Symbol	efnb2a
NCBI Official Synonym Symbols	efnb2; id:ibd5072
UniProt Protein Name	Ephrin-B2a
Protein Family	Ephrin
UniProt Gene Name	efnb2a
UniProt Synonym Gene Names	efnb2
UniProt Entry Name	EFNB2_DANRE
NCBI Protein Information	ephrin-B2a
UniProt Comments for EFNB2a	Function: Cell surface transmembrane ligand for Eph receptors, a family of receptor tyrosine kinases which are crucial for migration, repulsion and adhesion during neuronal, vascular and epithelial development. Binds promiscuously Eph receptors residing on adjacent cells, leading to contact-dependent bidirectional signaling into neighboring cells. The signaling pathway downstream of the receptor is referred to as forward signaling while the signaling pathway downstream of the ephrin ligand is referred to as reverse signaling. Together with ephb4 may play a central role in heart morphogenesis and angiogenesis through regulation of cell adhesion and cell migration By similarity. Subunit structure: Binds to the receptor tyrosine kinase ephb4. Subcellular location: Membrane; Single-pass type I membrane protein. Post-translational modification: Inducible phosphorylation of tyrosine residues in the cytoplasmic domain By similarity. Sequence similarities: Belongs to the ephrin family.Contains 1 ephrin RBD (ephrin receptor-binding) domain.
Research Articles on EFNB2a	**1.** Notch1 activation induces expression of ephrin b2a (efnb2a) and neuregulin 1 (nrg1) in the endocardium to promote trabeculation and forced Notch activation in the absence of cardiac contraction rescues efnb2a and nrg1 expression
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