10320 Camino Santa Fe, Suite G
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Tel: 858.875.1900 Fax: 858.875.1999

DANRE efnb2a Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # Azb10031a

Specification

DANRE efnb2a Antibody (Center) - Product Information

Application	**WB,E**
Primary Accession	O73874
Reactivity	**Zebrafish**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**36724**
Antigen Region	**163-194**

DANRE efnb2a Antibody (Center) - Additional Information

Gene ID 30219

Other Names
Ephrin-B2a, efnb2a, efnb2

Target/Specificity
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.

Dilution
WB~~1:1000

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
DANRE efnb2a Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

DANRE efnb2a Antibody (Center) - Protein Information

Name efnb2a

Synonyms efnb2

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).

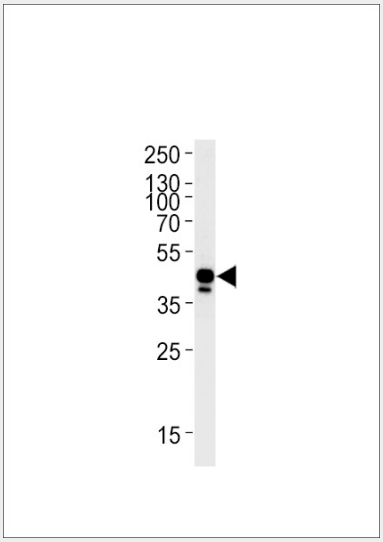
Cellular Location
Cell membrane {ECO:0000250|UniProtKB:P52799}; Single-pass type I membrane protein

DANRE efnb2a Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

DANRE efnb2a Antibody (Center) - Images



DANRE efnb2a Antibody (Center) (Cat. #Azb10031a) western blot analysis in zebra fish heart tissue lysates (35ug/lane).This demonstrates the DANRE efnb2a antibody detected the DANRE efnb2a protein (arrow).

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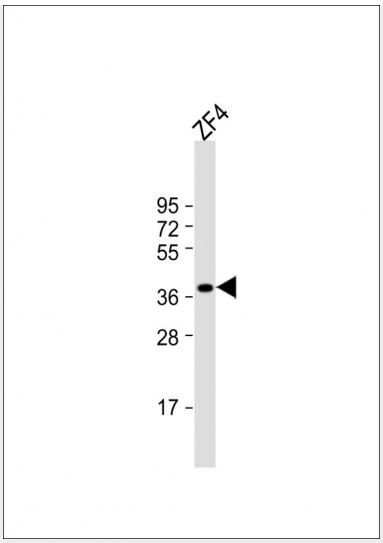

Anti-(DANRE) efnb2a Antibody (Center) at 1:1000 dilution + ZF4 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 37 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

DANRE efnb2a Antibody (Center) - Background

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).

DANRE efnb2a Antibody (Center) - References

Durbin L., et al. Genes Dev. 12:3096-3109(1998).
Chan J., et al. Dev. Biol. 234:470-482(2001).