

#### Zebrafish efnb2a Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # Azb10031a

## **Specification**

#### Zebrafish efnb2a Antibody (Center) - Product Information

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

### Zebrafish efnb2a Antibody (Center) - Additional Information

**Gene ID 30219** 

#### **Other Names**

Ephrin-B2a, efnb2a, efnb2

#### Target/Specificity

This Zebrafish efnb2a antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 163-194 amino acids from the xentral region of zebrafish efnb2a.

#### **Dilution**

WB~~1:1000

E~~Use at an assay dependent concentration.

#### **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**

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

#### Zebrafish 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**

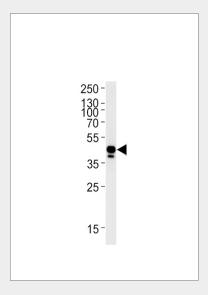
Cell membrane {ECO:0000250|UniProtKB:P52799}; Single-pass type I membrane protein

## Zebrafish efnb2a Antibody (Center) - Protocols

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

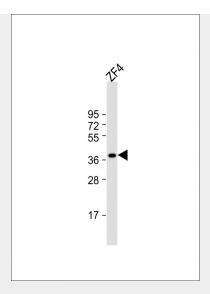
- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

## Zebrafish efnb2a Antibody (Center) - Images



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





Anti-Zebrafish efnb2a Antibody (Center) at 1:1000 dilution + ZF4 whole cell lysate Lysates/proteins at 20  $\mu$ g 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.

# Zebrafish 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).

### Zebrafish efnb2a Antibody (Center) - References

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