

# DANRE efnb2a Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # Azb10031a

## Product Information

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|                   |                        |
|-------------------|------------------------|
| Application       | WB, E                  |
| Primary Accession | <a href="#">O73874</a> |
| Reactivity        | Zebrafish              |
| Host              | Rabbit                 |
| Clonality         | Polyclonal             |
| Isotype           | Rabbit IgG             |
| Calculated MW     | 36724                  |
| Antigen Region    | 163-194                |

## Additional Information

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

## Protein Information

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|          |   |
|----------|---|
| 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

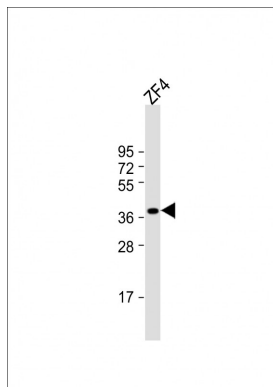
## Background

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).

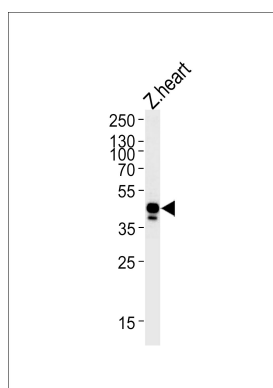
## References

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

## Images



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) (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).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.