Datasheet for ABIN1881282

anti-EFNB2A antibody (AA 163-194)

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Overview

Quantity:	400 µL
Target:	EFNB2A
Binding Specificity:	AA 163-194
Reactivity:	Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EFNB2A antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

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.
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	EFNB2A
Abstract:	EFNB2A Products
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-

Target Details

	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).
Molecular Weight:	36724
NCBI Accession:	NP_571098
UniProt:	O73874

Application Details

Application Notes:	WB: 1:1000. WB: 1:1000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Expiry Date:	6 months

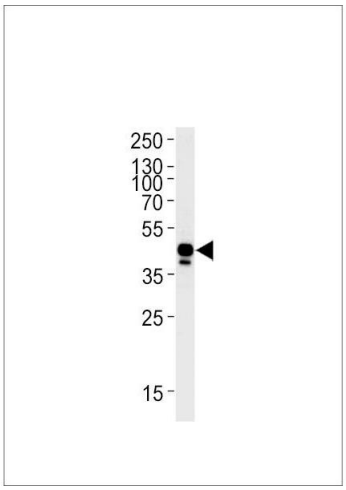
Publications

Product cited in:	Xiang, Jiang, Liu, Zhang, Zhu: "hMan2c1 transgene promotes tumor progress in mice." in: **Transgenic research**, Vol. 19, Issue 1, pp. 67-75, (2010) (PubMed). Tian, Ju, Zhou, Liu, Zhu: "Inhibition of alpha-mannosidase Man2c1 gene expression suppresses growth of esophageal carcinoma cells through mitotic arrest and apoptosis." in: **Cancer science**, Vol. 99, Issue 12, pp. 2428-34, (2008) (PubMed). Qu, Ju, Chen, Shi, Xiang, Zhou, Tian, Liu, Zhu: "Inhibition of the alpha-mannosidase Man2c1

Publications

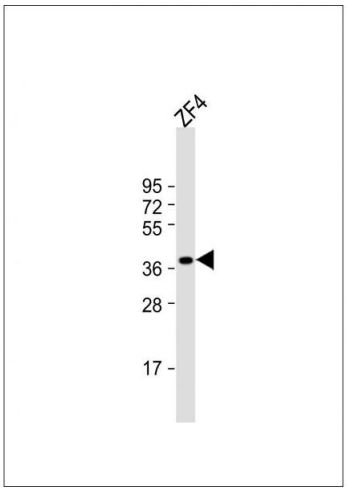
gene expression enhances adhesion of Jurkat cells." in: **Cell research**, Vol. 16, Issue 7, pp. 622-31, (2006) (PubMed).

Images



Western Blotting

Image 1. DANRE efnb2a Antibody (Center) Azb10031a western blot analysis in zebra fish heart tissue lysates (35 µg/lane).This demonstrates the DANRE efnb2a antibody detected the DANRE efnb2a protein (arrow).



Western Blotting

Image 2. 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.