



Datasheet for ABIN655599

anti-Ephrin B2 antibody (AA 157-186)



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3 Images

Overview

Quantity:	400 µL
Target:	Ephrin B2 (EFNB2)
Binding Specificity:	AA 157-186
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Ephrin B2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This EFNB2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 157-186 amino acids from the Central region of human EFNB2.
Clone:	RB31411
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	Ephrin B2 (EFNB2)
Alternative Name:	EFNB2 (EFNB2 Products)

Target Details

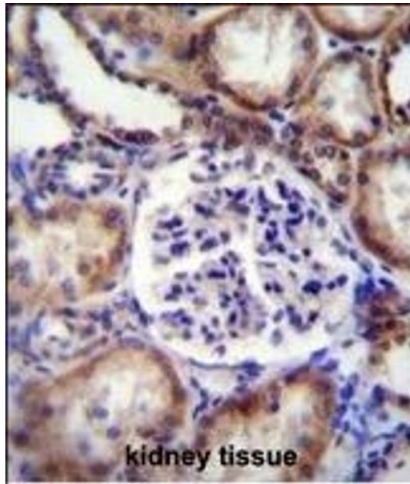
Background:	This gene encodes a member of the ephrin (EPH) family. The ephrins and EPH-related receptors comprise the largest subfamily of receptor protein-tyrosine kinases and have been implicated in mediating developmental events, especially in the nervous system and in erythropoiesis. Based on their structures and sequence relationships, ephrins are divided into the ephrin-A (EFNA) class, which are anchored to the membrane by a glycosylphosphatidylinositol linkage, and the ephrin-B (EFNB) class, which are transmembrane proteins. This gene encodes an EFNB class ephrin which binds to the EPHB4 and EPHA3 receptors.
Molecular Weight:	36923
Gene ID:	1948
NCBI Accession:	NP_004084
UniProt:	P52799
Pathways:	RTK Signaling, Regulation of Muscle Cell Differentiation

Application Details

Application Notes:	IF: 1:10~50. WB: 1:1000. IHC-P: 1:10~50
Restrictions:	For Research Use only

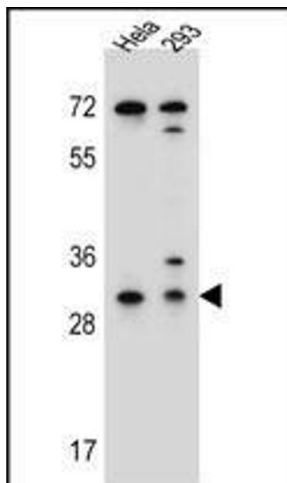
Handling

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
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months



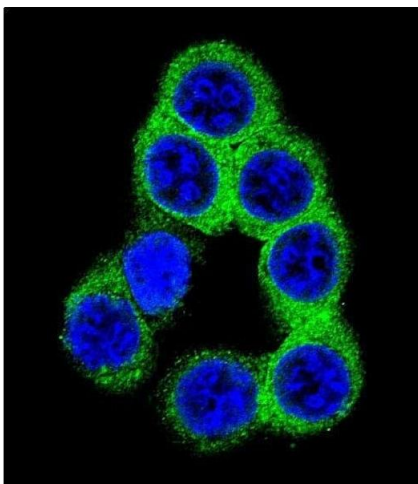
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. EFNB2 Antibody (Center) (ABIN655599 and ABIN2845084) immunohistochemistry analysis in formalin fixed and paraffin embedded human kidney tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of EFNB2 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



Western Blotting

Image 2. EFNB2 Antibody (Center) (ABIN655599 and ABIN2845084) western blot analysis in HeLa, 293 cell line lysates (35 µg/lane). This demonstrates the EFNB2 antibody detected the EFNB2 protein (arrow).



Immunofluorescence

Image 3. Confocal immunofluorescent analysis of EFNB2 Antibody (Center) (ABIN655599 and ABIN2845084) with 293 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).