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Datasheet for ABIN6256709 anti-Ephrin B2 antibody (pTyr330)

2 Images



Overview

Quantity:	100 µL
Target:	Ephrin B2 (EFNB2)
Binding Specificity:	pTyr330
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Ephrin B2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	A synthesized peptide derived from human Ephrin B2 around the phosphorylation site of Tyr330.
lsotype:	lgG
Specificity:	Phospho-Ephrin B2 (Tyr330) Antibody detects endogenous levels of Ephrin B2 only when phosphorylated at Tyrosine 330.
Predicted Reactivity:	Pig,Bovine,Horse,Sheep,Rabbit,Dog,Chicken,Xenopus
Purification:	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.

Target Details

Target:

Ephrin B2 (EFNB2)

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Target Details	
Alternative Name:	EFNB2 (EFNB2 Products)
Background:	Description: 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. Binds to receptor tyrosine kinase including EPHA4, EPHA3 and EPHB4. Together with EPHB4 plays a central role in heart morphogenesis and angiogenesis through regulation of cell adhesion and cell migration. EPHB4-mediated forward signaling controls cellular repulsion and segregation from EFNB2- expressing cells. May play a role in constraining the orientation of longitudinally projecting axons. Gene: EFNB2
Molecular Weight:	37kDa
Gene ID:	1948
UniProt:	P52799
Pathways: Application Details	RTK Signaling, Regulation of Muscle Cell Differentiation
Application Notes:	WB 1:500-1:2000, ELISA(peptide) 1:20000-1:40000
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
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:	-20 °C

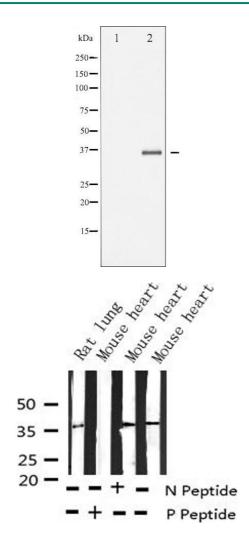
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Handling

Storage Comment:

Expiry Date:

Images



12 months

Western Blotting

Image 1. Western blot analysis of EFNB1/2 phosphorylation expression in TNF-a treated 293 whole cell lysates,The lane on the left is treated with the antigen-specific peptide.

Western Blotting

Image 2. Western blot analysis of Phospho-EFNB1/2 (Tyr330) expression in various lysates

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