-online.com antibodies

Datasheet for ABIN6259079 anti-EPH Receptor B4 antibody (C-Term)



Image

Overview	
Quantity:	100 μL
Target:	EPH Receptor B4 (EPHB4)
Binding Specificity:	C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product [Details
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Immunogen:	A synthesized peptide derived from human EPHB4, corresponding to a region within C-terminal amino acids.
Isotype:	lgG
Specificity:	EPHB4 Antibody detects endogenous levels of total EPHB4.
Predicted Reactivity:	Pig,Bovine,Horse,Sheep,Rabbit,Dog
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink TM Coupling Resin (Thermo Fisher Scientific).

Target Details

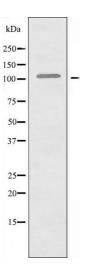
Target:	EPH Receptor B4 (EPHB4)
Alternative Name:	EPHB4 (EPHB4 Products)

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Target Details

Background:	Description: Receptor tyrosine kinase which binds promiscuously transmembrane ephrin-B family ligands 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 its cognate ligand/functional ligand EFNB2 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 form
	EFNB2-expressing cells. Plays also a role in postnatal blood vessel remodeling, morphogenesis
	and permeability and is thus important in the context of tumor angiogenesis.
	Gene: EPHB4
Molecular Weight:	108 kDa
Gene ID:	2050
UniProt:	P54760
Pathways:	RTK Signaling
Application Details	
Application Notes:	WB 1:500-1:1000, IHC 1:50-1:200, 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
Storage Comment:	Store at -20 °C. Stable for 12 months from date of receipt.
Expiry Date:	12 months

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Western Blotting

Image 1. Western blot analysis of extracts from 293 cells using EPHB4 antibody.

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