EPHB4 Antibody

Catalog No: #33819

Package Size: #33819-1 50ul #33819-2 100ul



Orders: order@signalwayantibody.com Support: tech@signalwayantibody.com

Description	
Product Name	EPHB4 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific
	immunogen.
Applications	WB
Species Reactivity	Hu Ms
Specificity	The antibody detects endogenous levels of total EPHB4 protein.
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from internal of human EPHB4.
Target Name	EPHB4
Other Names	EC 2.7.1.112; EC 2.7.10.1; EPB4; Ephrin type-B receptor 4 precursor; HTK
Accession No.	Swiss-Prot: P54760NCBI Gene ID: 2050
Uniprot	P54760
GenelD	2050;
SDS-PAGE MW	108kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide
	and 50% glycerol.
Storage	Store at -20°C

Application Details

Western blotting: 1:500~1:3000

Images



Western blot analysis of extracts from 293 cells and Jurkat cells, using EPHB4 antibody #33819.

Background

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.

Bennett B.D., J. Biol. Chem. 269:14211-14218(1994).

Wilson M.D., Nucleic Acids Res. 29:1352-1365(2001).

Zhang Y., Mol. Cell. Proteomics 4:1240-1250(2005).

Note: This product is for in vitro research use only