

Rabbit EPHB6 Polyclonal Antibody | anti-EPHB6 antibody

EPHB6 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA323730	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

EPHB6; Polyclonal Antibody; EPHB6 Antibody; EPH receptor B6; Ephb6; EPHB6_HUMAN; Ephrin type B receptor 6 precursor; Ephrin type-B receptor 6; HEP; MGC129910; MGC129911; Tyrosine protein kinase defective receptor EPH 6; Tyrosine-protein kinase-defective receptor EPH-6; anti-EPHB6 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	EPHB6 antibody detects endogenous levels of total EPHB6
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	729
Applicable Applications for anti-EPHB6 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human EPHB6
Subcellular Location	Secreted and Membrane.
Tissue Specificity	Expressed in brain. Expressed in non invasive breast carcinoma cell lines (at protein level). Strong expression in brain and pancreas, and weak expression in other tissues, such as heart, placenta, lung, liver, skeletal muscle and kidney. Expressed in breast non invasive tumors but not in metastatic lesions. Isoform 3 is expressed in cell lines of glioblastomas, anaplastic astrocytomas, gliosarcomas and astrocytomas. Isoform 3 is not detected in normal tissues.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA323730 staining HepG2 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of EPHB6 using COLO205 whole cell lysates



IHC (Immunohistochemistry)

AAA323730 at 1/100 staining Human pancreas tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-EPHB6 antibody

Function: Kinase-defective receptor for members of the ephrin-B family. Binds to ephrin-B1 and ephrin-B2. Modulates cell adhesion and migration by exerting both positive and negative effects upon stimulation with ephrin-B2. Inhibits JNK activation, T-cell receptor-induced IL-2 secretion and CD25 expression upon stimulation with ephrin-B2.

Subunit Structure: Interacts with CBL and EPHB1. Interacts with FYN; this interaction takes place in a ligand-independent manner.

Post-translational Modifications: Ligand-binding increases phosphorylation on tyrosine residues. Phosphorylation on tyrosine residues is mediated by transphosphorylation by the catalytically active EPHB1 in a ligand-independent manner. Tyrosine phosphorylation of the receptor may act as a switch on the functional transition from cell adhesion/attraction to de-adhesion/repulsion.

Similarity: The protein kinase domain is predicted to be catalytically inactive. Its extracellular domain is capable of promoting cell adhesion and migration in response to low concentrations of ephrin-B2, but its cytoplasmic domain is essential for cell repulsion and inhibition of migration induced by high concentrations of ephrin-B2. Belongs to the protein kinase superfamily. Tyr protein kinase family. Ephrin receptor subfamily.

NCBI AND UNIPROT INFORMATION

NCBI GI #	615276339
NCBI GeneID	2051
NCBI Accession #	NP_001267724.2
NCBI GenBank Nucleotide #	NM_001280795.2
UniProt Accession #	O15197; Q2TB23; Q2TB24; A4D2I7; A8CDT5; D3DXD3
Molecular Weight	Observed: 119 kD Predicted: 111 kDa
NCBI Official Full Name	ephrin type-B receptor 6 isoform b
NCBI Official Synonym Full Names	EPH receptor B6
NCBI Official Symbol	EPHB6
NCBI Official Synonym Symbols	HEP
NCBI Protein Information	ephrin type-B receptor 6

UniProt Protein Name	Ephrin type-B receptor 6
UniProt Gene Name	EPHB6

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ephb6-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/323730>