

Rabbit Ephb1 Polyclonal Antibody | anti-Ephb1 antibody

Mouse Ephb1 Antibody (Center)

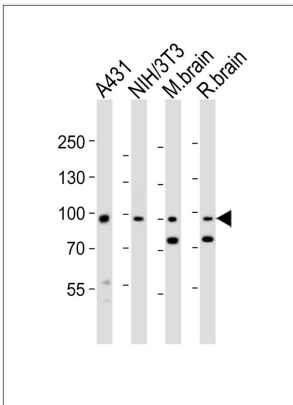
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285035	Rabbit	Human, mouse, rat (Predicted Reactivity: Chicken)	ELISA, Western Blot

PRODUCT SYNONYMS

Ephb1; Polyclonal Antibody; Mouse Ephb1 Antibody (Center); Ephrin type-B receptor 1; anti-Ephb1 antibody

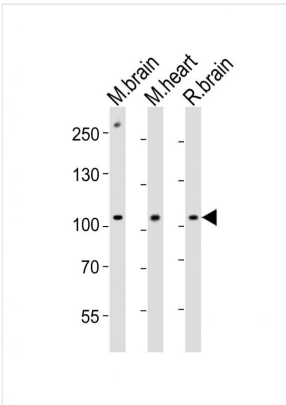
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse, rat (Predicted Reactivity: Chicken)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This Mouse Ephb1 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 374-409 amino acids from the Central region of Mouse Ephb1.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Length	943
Applicable Applications for anti-Ephb1 antibody	ELISA, WB (Western Blot)
Crown Antibody	Yes
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



WB (Western Blot)

Western blot analysis of lysates from A431, mouse NIH/3T3 cell line, mouse brain, rat brain tissue lysate(from left to right), using Ephb1 Antibody (Center). AAA285035 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysates at 20ug per lane.



WB (Western Blot)

All lanes : Anti-Ephb1 Antibody (Center) at 1:1000 dilutionLane 1: mouse brain lysatesLane 2: mouse heart lysatesLane 3: rat brain lysatesLysates/proteins at 20 ug per lane.SecondaryGoat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilutionPredicted band size : 110 kDaBlocking/Dilution buffer: 5% NFDm/TBST.

ADDITIONAL INFORMATION

Related Product Information for anti-Ephb1 antibody	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. Cognate/functional ephrin ligands for this receptor include EFNB1, EFNB2 and EFNB3. During nervous system development, regulates retinal axon guidance redirecting ipsilaterally ventrotemporal retinal ganglion cells axons at the optic chiasm midline. This probably requires repulsive interaction with EFNB2. In the adult nervous system together with EFNB3, regulates chemotaxis, proliferation and polarity of the hippocampus neural progenitors. Beside its role in axon guidance plays also an important redundant role with other ephrin-B receptors in development and maturation of dendritic spines and synapse formation. May also regulate angiogenesis. More generally, may play a role in targeted cell migration and adhesion. Upon activation by EFNB1 and probably other ephrin-B ligands activates the MAPK/ERK and the JNK signaling cascades to regulate cell migration and adhesion respectively.
Product Categories/Family for anti-Ephb1 antibody	Crown Antibodies; Cardiovascular; Neuroscience
References	Carninci P.,et al.Science 309:1559-1563(2005). Church D.M.,et al.PLoS Biol. 7:E1000112-E1000112(2009). Stein E.,et al.J. Biol. Chem. 273:1303-1308(1998). Torres R.,et al.Neuron 21:1453-1463(1998). Han D.C.,et al.J. Biol. Chem. 277:45655-45661(2002).

NCBI AND UNIPROT INFORMATION

NCBI GI #	269973848
NCBI GeneID	270190
NCBI Accession #	NP_001161768.1
NCBI GenBank Nucleotide #	NM_001168296.1
UniProt Accession #	Q8CBF3; Q3UY27; Q6PG23; Q8CBE2; B1B1C2
Molecular Weight	109881
NCBI Official Full Name	ephrin type-B receptor 1 isoform 2
NCBI Official Synonym Full Names	Eph receptor B1
NCBI Official Symbol	Ephb1

NCBI Official Synonym Symbols	Elk; Net; Cek6; Elkh; Hek6; AW488255; 9330129L11; C130099E04Rik; ENSMUSG00000074119
NCBI Protein Information	ephrin type-B receptor 1
UniProt Protein Name	Ephrin type-B receptor 1
UniProt Gene Name	Ephb1
UniProt Entry Name	EPHB1_MOUSE

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/ephb1-antibody-western-blot-elisa/285035>