

anti-Human Eph receptor B1 Polyclonal Antibody | anti-EPHB1 antibody

Anti-Eph receptor B1 Antibody

CATALOG # AAA46576	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot
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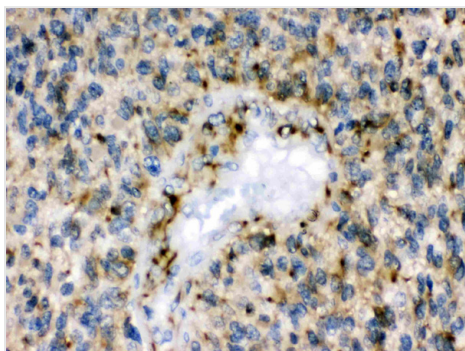
PRODUCT SYNONYMS

Eph receptor B1; Polyclonal Antibody; Anti-Eph receptor B1 Antibody; Ephrin type-B receptor 1; Cek 6; EK6; ELK; Elkh; EPH receptor B1; Eph tyrosine kinase 2; EPH-like kinase 6; Ephb1; EPHB1_HUMAN; Ephrin type B receptor 1; EPHT2; HEK 6; HEK6; NET; Neuronally-expressed EPH-related tyrosine kinase; soluble EPHB1 variant 1; Tyrosine protein kinase receptor EPH 2; Tyrosine-protein kinase receptor EPH-2; anti-EPHB1 antibody

PRODUCT SPECIFICATIONS

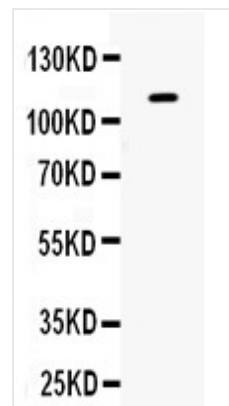
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Sequence Length	984
Applicable Applications for anti-EPHB1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human Eph receptor B1 (56-88aa RTYQVCNVFEPNQNNWLLTTFINRRGAHRIYTE), identical to the related mouse and rat sequences.
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



IHC (Immunohistochemistry)

Anti- Eph receptor B1 Picoband antibody, AAA46576, IHC(P)IHC(P): Human Glioma Tissue



WB (Western Blot)

Anti- Eph receptor B1 Picoband antibody, AAA46576, Western blottingAll lanes: Anti Eph receptor B1 (AAA46576) at 0.5ug/mlWB: 293T Whole Cell Lysate at 40ugPredicted bind size: 111KDObserved bind size: 111KD

ADDITIONAL INFORMATION

Related Product Information for anti-EPHB1 antibody	Description: Rabbit IgG polyclonal antibody for Ephrin type-B receptor 1(EPHB1) detection. Tested with WB, IHC-P in Human. Background: Ephrin type-B receptor 1 is a protein that in humans is encoded by the EPHB1 gene. Ephrin receptors and their ligands, the ephrins, mediate numerous developmental processes, particularly in the nervous system. Based on their structures and sequence relationships, ephrins are divided into the ephrin-A (EFNA) class, which are anchored to the membrane by a glycosylphosphatidylinositol linkage, and the ephrin-B (EFNB) class, which are transmembrane proteins. The Eph family of receptors are divided into 2 groups based on the similarity of their extracellular domain sequences and their affinities for binding ephrin-A and ephrin-B ligands. Ephrin receptors make up the largest subgroup of the receptor tyrosine kinase (RTK) family. The protein encoded by this gene is a receptor for ephrin-B family members.
References	1. "Entrez Gene: EPHB1 EPH receptor B1". 2. Flanagan JG, Vanderhaeghen P (1998). "The ephrins and Eph receptors in neural development". Annu. Rev. Neurosci. 21: 309-45. 3. Tang XX, Biegel JA, Nycum LM, Yoshioka A, Brodeur GM, Pleasure DE, Ikegaki N (Aug 1996). "cDNA cloning, molecular characterization, and chromosomal localization of NET(EPHT2), a human EPH-related receptor protein-tyrosine kinase gene preferentially expressed in brain".Genomics 29 (2): 426-37.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4758284
NCBI GeneID	2047
NCBI Accession #	NP_004432.1
NCBI GenBank Nucleotide #	NM_004441.4
UniProt Accession #	P54762; O43569; O95142; O95143; Q0VG87; A8K593; B3KTB2; B5A969
Molecular Weight	26,906 Da
NCBI Official Full Name	ephrin type-B receptor 1
NCBI Official Synonym Full Names	EPH receptor B1
NCBI Official Symbol	EPHB1
NCBI Official Synonym Symbols	ELK; NET; Hek6; EPHT2
NCBI Protein Information	ephrin type-B receptor 1
UniProt Protein Name	Ephrin type-B receptor 1
UniProt Gene Name	EPHB1
UniProt Synonym Gene Names	ELK; EPHT2; HEK6; NET; EK6; hEK6; NET
UniProt Entry Name	EPHB1_HUMAN

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.