

Rabbit EPHB4 Polyclonal Antibody | anti-EPHB4 antibody

EPHB4 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA321927	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

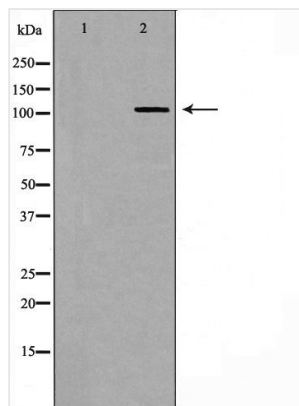
PRODUCT SYNONYMS

EPHB4; Polyclonal Antibody; EPHB4 Antibody; Ephb4; EPHB4_HUMAN; Ephrin receptor EphB4; Ephrin type-B receptor 4; Hepatoma Transmembrane Kinase; HTK; MYK 1; MYK1; TYRO 11; TYRO11; Tyrosine-protein kinase receptor HTK; Tyrosine-protein kinase TYRO11; anti-EPHB4 antibody

PRODUCT SPECIFICATIONS

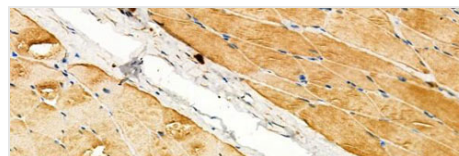
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	EPHB4 antibody detects endogenous levels of total EPHB4
Purity/Purification	Peptide affinity purification
Form/Format	Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	987
Applicable Applications for anti-EPHB4 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human EPHB4, corresponding to a region within the internal amino acids.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of EPHB4 expression in 293 cell extract, The lane on the left is treated with the antigen-specific peptide.



IHC (Immunohistochemistry)

AAA321927 at 1/100 staining Rat skin 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 primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-EPHB4 antibody	Description: Receptor for members of the ephrin-B family. Binds to ephrin-B2. May have a role in events mediating differentiation and development. Function: 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 from 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. Subunit Structure: Heterotetramer upon binding of the ligand. The heterotetramer is composed of an ephrin dimer and a receptor dimer. Oligomerization is probably required to induce biological responses (By similarity). Post-translational Modifications: Phosphorylated; autophosphorylation is stimulated by EFNB2. Similarity: Belongs to the protein kinase superfamily. Tyr protein kinase family. Ephrin receptor subfamily.
---	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	32528301
NCBI GeneID	2050
NCBI Accession #	NP_004435.3
NCBI GenBank Nucleotide #	NM_004444.4
UniProt Accession #	P54760; Q7Z635; Q9BTA5; Q9BXP0; B5A970; B5A971; B5A972
Molecular Weight	108 kDa
NCBI Official Full Name	ephrin type-B receptor 4
NCBI Official Synonym Full Names	EPH receptor B4
NCBI Official Symbol	EPHB4
NCBI Official Synonym Symbols	HTK; MYK1; HFASD; TYRO11
NCBI Protein Information	ephrin type-B receptor 4
UniProt Protein Name	Ephrin type-B receptor 4
UniProt Gene Name	EPHB4
UniProt Synonym Gene Names	HTK; MYK1; TYRO11

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.