

Rabbit anti-Human EphB4 Polyclonal Antibody | anti-EPHB4 antibody

EphB4 Antibody

CATALOG # AAA283849	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, ELISA, Western Blot
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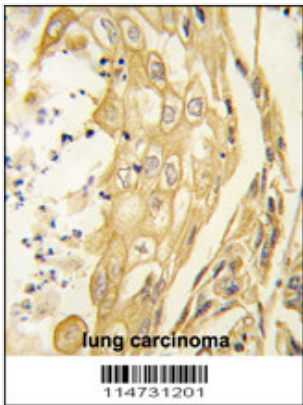
PRODUCT SYNONYMS

EphB4; Polyclonal Antibody; EphB4 Antibody; Ephrin type-B receptor 4; Hepatoma transmembrane kinase; Tyrosine-protein kinase TYRO11; EPHB4; HTK; MYK1; TYRO11; anti-EPHB4 antibody

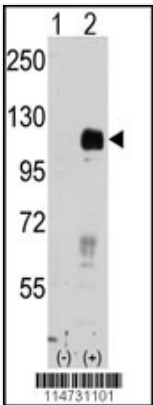
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This EphB4 antibody is generated from rabbits immunized with human recombinant EphB4 protein.
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 prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Length	414
Applicable Applications for anti-EPHB4 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Recombinant Protein
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.

IMAGES



IHC (Immunohiostchemistry)
Formalin-fixed and paraffin-embedded human lung carcinoma tissue reacted with the EphB4 antibody , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of EphB4 (arrow) using rabbit polyclonal EphB4 Antibody. 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the EphB4 gene (Lane 2) (Origene Technologies).

ADDITIONAL INFORMATION

Related Product Information for anti-EPHB4 antibody	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. EphB4 binds to ephrin-B2 and plays an essential role in vascular development.
Product Categories/Family for anti-EPHB4 antibody	Cancer; Cardiovascular; Neuroscience; Signal transduction
References	Steinle, J.J., et al., J. Biol. Chem. 277(46):43830-43835 (2002). Suenobu, S., et al., Biochem. Biophys. Res. Commun. 293(3):1124-1131 (2002). Wang, Z., et al., Blood 99(8):2740-2747 (2002). Wilson, M.D., et al., Nucleic Acids Res. 29(6):1352-1365 (2001). Wilkinson, D.G., Nat Rev Neurosci 2(3):155-164 (2001).

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	108270
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; 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
UniProt Entry Name	EPHB4_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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ephb4-antibody-immunohistochemistry-western-blot-elisa/283849>