

Rabbit EphB6 Polyclonal Antibody | anti-EPHB6 antibody

EphB6 Antibody (N-term S45)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288798	Rabbit	Human (Predicted Reactivity: Mouse, Rat)	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

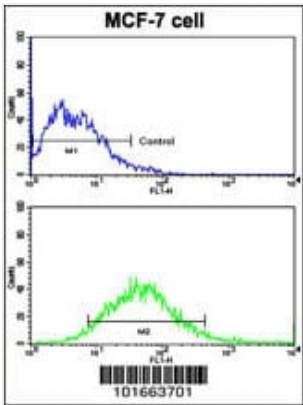
PRODUCT SYNONYMS

EphB6; Polyclonal Antibody; EphB6 Antibody (N-term S45); Ephrin type-B receptor 6; HEP; Tyrosine-protein kinase-defective receptor EPH-6; EPHB6; anti-EPHB6 antibody

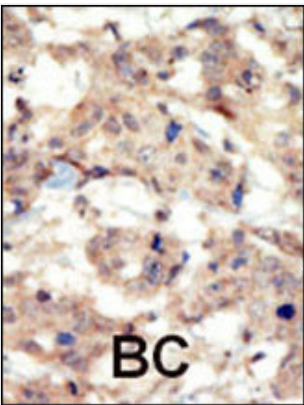
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This EphB6 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 45-74 amino acids from the N-terminal region of human EphB6.
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: 1.57 (varies by lot)
Sequence Positions	45-74
Sequence Length	729
Applicable Applications for anti-EPHB6 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
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.

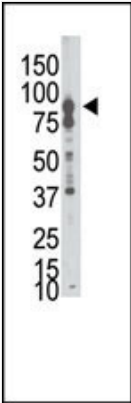
IMAGES



FCM/FACS (Flow Cytometry)
Flow cytometric analysis of MCF-7 cells using EphB6 Antibody (N-term S45) (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary 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. BC = breast carcinoma; HC = hepatocarcinoma.



WB (Western Blot)
Western blot analysis of anti-EphB6 N-term Pab in A549 cell lysate. EphB6 (arrow) was detected using purified Pab. Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence.

ADDITIONAL INFORMATION

Related Product Information for anti-EPHB6 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. EphB6 lacks the kinase activity of most receptor tyrosine kinases and binds to ephrin-B ligands.
Product Categories/Family for anti-EPHB6 antibody	Neuroscience
References	Freywald, A., et al., J. Biol. Chem. 278(12):10150-10156 (2003). Luo, H., et al., J. Clin. Invest. 110(8):1141-1150 (2002). Wilkinson, D.G., Nat Rev Neurosci 2(3):155-164 (2001). Luo, H., et al., J. Immunol. 167(3):1362-1370 (2001). Tang, X.X., et al., Proc. Natl. Acad. Sci. U.S.A. 97(20):10936-10941 (2000).

NCBI AND UNIPROT INFORMATION

NCBI GI #	526118196
-----------	-----------

NCBI GeneID	2051
NCBI Accession #	NP_001267723.1; NP_001267724.1; NP_004436.3
NCBI GenBank Nucleotide #	NM_001280794.1
UniProt Accession #	O15197; Q2TB23; Q2TB24; A4D2I7; A8CDT5; D3DXD3
Molecular Weight	110700
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
UniProt Entry Name	EPHB6_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/ephb6-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/288798>