

Rabbit anti-Human, mouse EphA5 Polyclonal Antibody | anti-EPHA5 antibody

EphA5 Antibody (C-term)

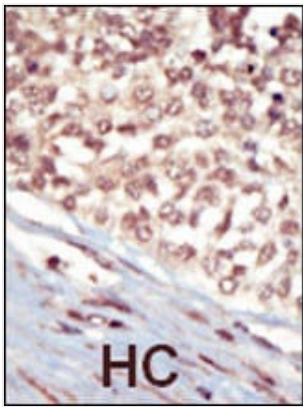
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA284611	Rabbit	Human, mouse	Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

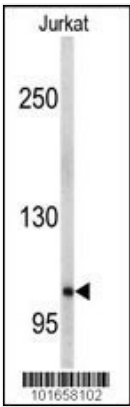
EphA5; Polyclonal Antibody; EphA5 Antibody (C-term); Ephrin type-A receptor 5; Brain-specific kinase; EPH homology kinase 1; EHK-1; EPH-like kinase 7; EK7; hEK7; EPHA5; BSK; EHK1; HEK7; TYRO4; anti-EPHA5 antibody

PRODUCT SPECIFICATIONS

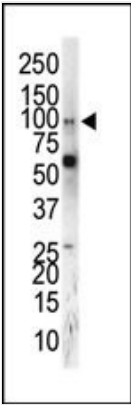
Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This EphA5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 942-972 amino acids from the C-terminal region of human EphA5.
Purity/Purification	Purified Rabbit Polyclonal 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: 1.3 (varies by lot)
Sequence Positions	942-972
Sequence Length	1037
Applicable Applications for anti-EPHA5 antibody	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.



IHC (Immunohistochemisry)
Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC 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-EphA5 Antibody (C-term) in Jurkat cell line lysates (35ug/lane). EPHA5(arrow) was detected using the purified Pab.



WB (Western Blot)
Western blot analysis of anti-EphA5 C-term Pab in mouse brain tissue. EphA5 (arrow) was detected using purified Pab. Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence.

ADDITIONAL INFORMATION

Related Product Information for anti-EPHA5 antibody	Protein kinases are enzymes that transfer a phosphate group from a phosphate donor, generally the g phosphate of ATP, onto an acceptor amino acid in a substrate protein. By this basic mechanism, protein kinases mediate most of the signal transduction in eukaryotic cells, regulating cellular metabolism, transcription, cell cycle progression, cytoskeletal rearrangement and cell movement, apoptosis, and differentiation. With more than 500 gene products, the protein kinase family is one of the largest families of proteins in eukaryotes. The family has been classified in 8 major groups based on sequence comparison of their tyrosine (PTK) or serine/threonine (STK) kinase catalytic domains. The tyrosine kinase (TK) group is mainly involved in the regulation of cell-cell interactions such as differentiation, adhesion, motility and death. There are currently about 90 TK genes sequenced, 58 are of receptor protein TK (e.g. EGFR, EPH, FGFR, PDGFR, TRK, and VEGFR families), and 32 of cytosolic TK (e.g. ABL, FAK, JAK, and SRC families).
Product Categories/Family for anti-EPHA5 antibody	Cardiovascular; Neuroscience; Signal Transduction
References	Pejovic, T. et al., Transl Oncol. Dec 01; 2(4): 341-9(2009). Fox, G.M., et al., Oncogene 10(5):897-905 (1995).

NCBI AND UNIPROT INFORMATION

NCBI GI #	221625401
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NCBI GeneID	2044
NCBI Accession #	NP_004430.4; NP_872272.2
NCBI GenBank Nucleotide #	NM_004439.6
UniProt Accession #	P54756; Q7Z3F2
Molecular Weight	114803
NCBI Official Full Name	ephrin type-A receptor 5 isoform a
NCBI Official Synonym Full Names	EPH receptor A5
NCBI Official Symbol	EPHA5
NCBI Official Synonym Symbols	EK7; CEK7; EHK1; HEK7; EHK-1; TYRO4
NCBI Protein Information	ephrin type-A receptor 5
UniProt Protein Name	Ephrin type-A receptor 5
UniProt Gene Name	EPHA5
UniProt Synonym Gene Names	BSK; EHK1; HEK7; TYRO4; EHK-1; EK7; hEK7
UniProt Entry Name	EPHA5_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://www.aaabiotech.com/polyclonal/epha5-antibody-immunohistochemistry-western-blot-elisa/284611>