

Rabbit EphA7 Polyclonal Antibody | anti-EPHA7 antibody

EphA7 Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA287925	Rabbit	Human (Predicted Reactivity: Chicken)	Immunohistochemistry, ELISA, Western Blot

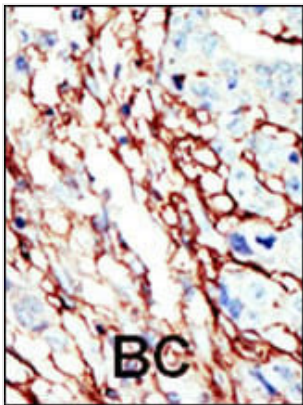
PRODUCT SYNONYMS

EphA7; Polyclonal Antibody; EphA7 Antibody (C-term); Ephrin type-A receptor 7; EPH homology kinase 3; EHK-3; EPH-like kinase 11; EK11; hEK11; EPHA7; EHK3; HEK11; anti-EPHA7 antibody

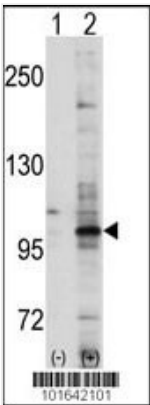
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Chicken)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This EphA7 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 896-925 amino acids from the C-terminal region of human EphA7.
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: 1.5 (varies by lot)
Sequence Positions	896-925
Sequence Length	998
Applicable Applications for anti-EPHA7 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.

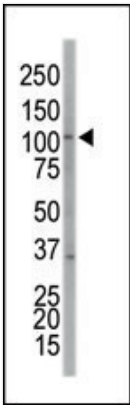
IMAGES



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 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 EPHA7 (arrow) using EphA7 Antibody (C-term). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the EPHA7 gene (Lane 2) (Origene Technologies).



WB (Western Blot)
Western blot analysis of anti-EphA7 Pab in NCI-H460 cell lysate. EphA7 (arrow) was detected using purified Pab. Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence.

ADDITIONAL INFORMATION

Related Product Information for anti-EPHA7 antibody	Protein kinases are enzymes that transfer a phosphate group from a phosphate donor, generally the γ 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-EPHA7 antibody	Cardiovascular; Neuroscience
References	Wilkinson, D.G., Nat Rev Neurosci 2(3):155-164 (2001). Xu, Q., et al., Philos. Trans. R. Soc. Lond., B, Biol. Sci. 355(1399):993-1002 (2000). Holder, N., et al., Development 126(10):2033-2044 (1999). Zhou, R., Pharmacol. Ther. 77(3):151-181 (1998). Fox, G.M., et al., Oncogene 10(5):897-905 (1995).

NCBI AND UNIPROT INFORMATION

NCBI GI #	4758282
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NCBI GeneID	2045
NCBI Accession #	NP_004431.1
NCBI GenBank Nucleotide #	NM_004440.3
UniProt Accession #	Q15375; Q59G40; Q5VTU0; Q8N368; Q9H124; A0AUX7; B2R8W1; B7ZLJ9; B7ZLK0
Molecular Weight	112097
NCBI Official Full Name	ephrin type-A receptor 7 isoform 1
NCBI Official Synonym Full Names	EPH receptor A7
NCBI Official Symbol	EPHA7
NCBI Official Synonym Symbols	EHK3; EK11; EHK-3; HEK11
NCBI Protein Information	ephrin type-A receptor 7
UniProt Protein Name	Ephrin type-A receptor 7
UniProt Gene Name	EPHA7
UniProt Synonym Gene Names	EHK3; HEK11; EHK-3; EK11; hEK11
UniProt Entry Name	EPHA7_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/epha7-antibody-immunohistochemistry-western-blot-elisa/287925>