

Rabbit anti-Human, Mouse EPHA7 Polyclonal Antibody | anti-EPHA7 antibody

Phospho-EPHA7 (Tyr614) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA328518	Rabbit	Human, Mouse	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

EPHA7; Polyclonal Antibody; Phospho-EPHA7 (Tyr614) Antibody; Cek 11; Developmental kinase 1; EBK; EHK-3; EHK3; EK11; Embryonic brain kinase; EPH homology kinase 3; EPH-like kinase 11; Epha7; EPHA7_HUMAN; Ephrin receptor Eph A7; Ephrin type A receptor 7; Ephrin type-A receptor 7; hEK11; MDK 1; Receptor protein tyrosine kinase HEK 11; Tyrosine protein kinase receptor EHK 3; anti-EPHA7 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	Phospho-EPHA7 (Tyr614) Antibody detects endogenous levels of EPHA7 only when phosphorylated at Tyr614.
Purity/Purification	Peptide affinity purification
Form/Format	Liquid; Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	998
Applicable Applications for anti-EPHA7 antibody	ELISA (Peptide ELISA), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human EPHA7 around the phosphorylation site of Tyr614.
Tissue Specificity	Widely expressed.
Subcellular Location	Plasma Membrane
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of Phospho-EPHA7 (Tyr614) in lysates of NCI-H460, using Phospho-EPHA7 (Tyr614) Antibody.



IHC (Immunohistochemistry)

At 1/100 staining human liver tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary

ADDITIONAL INFORMATION

Related Product Information for anti-EPHA7 antibody	Description: Receptor tyrosine kinase which binds promiscuously GPI-anchored ephrin-A 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. Among GPI-anchored ephrin-A ligands, EFNA5 is a cognate/functional ligand for EPHA7 and their interaction regulates brain development modulating cell-cell adhesion and repulsion. Has a repellent activity on axons and is for instance involved in the guidance of corticothalamic axons and in the proper topographic mapping of retinal axons to the colliculus.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4758282
NCBI GeneID	2045
NCBI Accession #	NP_004431.1
NCBI GenBank Nucleotide #	NP_004431.1
UniProt Accession #	Q15375
Molecular Weight	Observed: 112 kDa Predicted: 113 kDa
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-peptide-elisa-immunohistochemistry-western-blot-elisa/328518>