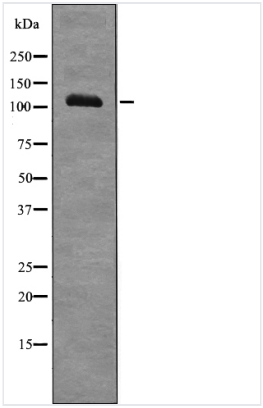
EPHA7 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	EPHA7, Polyclonal Antibody
Full Product Name	EPHA7 (Phospho-Tyr608) Antibody
Product Gene Name	anti-EPHA7 antibody
Product Synonym Names	EPHA7; EHK-3; EK11; EPH homology kinase 3; Eph homology kinase-3; EPH receptor A7; EHK3; Ephrin type-A receptor 7; MDK1; Ebk; EPH-like kinase 11; HEK11
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy usi
Concentration	1 mg/ml (lot specific)
Specificity	EPHA7 (Phospho-Tyr608) Antibody detects endogenous levels of EPHA7 only when phosphorylated at Tyr608
Preparation and Storage	Store at -20 degree C
Molecular Weight	50,521 Da
OMIM	L36642 mRNA
3D Structure	ModBase 3D Structure for Q15375
Immunogen	A synthesized peptide derived from human EPHA7 (Phospho-Tyr608)
Immunogen Type	Peptide
Modification	Phospho-Tyr608
Product Categories/Family for anti-EPHA7 antibody	Phospho-specific Ab
Applications Tested/Suitable for anti-EPHA7 antibody	Western Blot (WB)
Application Notes for anti-EPHA7 antibody	Western Blot: 1:1000
Related Product Information for anti-EPHA7 antibody	MBS9416804 is an antibody targeting EPHA7. Also known as EPHA7 (Phospho-Tyr608) Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.
Other Notes	Small volumes of anti-EPHA7 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-EPHA7 antibody
Western blot analysis EPHA7 (Phospho-Tyr608) using serum treated K562 whole cell lysates

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for EPHA7. It may not necessarily be applicable to this product.

NCBI GI #	568599847
NCBI GeneID	2045
NCBI Accession #	NP_001275558.1
UniProt Primary Accession #	Q15375
UniProt Secondary Accession #	Q59G40; Q5VTU0; Q8N368; Q9H124; A0AUX7; B2R8W1; B7ZLJ9; B7ZLK0
UniProt Related Accession #	Q15375
GenBank Nucleotide #	NM_001288629.1
NCBI Official Full Name	ephrin type-A receptor 7 isoform 2
NCBI Official Synonym Full Names	EPH receptor A7
NCBI Official Symbol	EPHA7
NCBI Official Synonym Symbols	EHK3; EK11; EHK-3; HEK11
UniProt Protein Name	Ephrin type-A receptor 7
UniProt Synonym Protein Names	EPH homology kinase 3; EHK-3; EPH-like kinase 11; EK11; hEK11
Protein Family	Ephrin type-A receptor
UniProt Gene Name	EPHA7
UniProt Synonym Gene Names	EHK3; HEK11; EHK-3; EK11; hEK11
UniProt Entry Name	EPHA7_HUMAN
NCBI Protein Information	ephrin type-A receptor 7
NCBI Summary for EPHA7	This gene belongs to the ephrin receptor subfamily of the protein-tyrosine kinase family. EPH and EPH-related receptors have been implicated in mediating developmental events, particularly in the nervous system. Receptors in the EPH subfamily typically have a single kinase domain and an extracellular region containing a Cys-rich domain and 2 fibronectin type III repeats. The ephrin 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. Increased expression of this gene is associated with multiple forms of carcinoma. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2013]

UniProt Comments for EPHA7	EphA7: a widely-expressed receptor tyrosine kinase of the Eph family. Receptor for members of the ephrin-A family. Binds to ephrin-A1, -A2, -A3, -A4 and -A5. Contains 1 sterile alpha motif (SAM) and two fibronectin type III domains. Protein type: EC 2.7.10.1; Eph family; Kinase, protein; Membrane protein, integral; Protein kinase, TK; Protein kinase, tyrosine (receptor); TK group Chromosomal Location of Human Ortholog: 6q16.1 Cellular Component: plasma membrane Molecular Function: axon guidance receptor activity; chemorepellent activity; GPI-linked ephrin receptor activity; protein binding; protein-tyrosine kinase activity Biological Process: brain development; branching morphogenesis of a nerve; ephrin receptor signaling pathway; negative chemotaxis; phosphorylation; positive regulation of neuron apoptosis; regulation of caspase activity; regulation of cell-cell adhesion; regulation of peptidyl-tyrosine phosphorylation; regulation of protein amino acid autophosphorylation
Research Articles on EPHA7	**1.** Eph receptor A7 may have an important role in the pathogenesis of nonsmall cell lung cancer by regulating PTEN expression via thephosphatase and tensin homolog/AKT pathway.
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