

EPHA7 (Phospho-Tyr791) Antibody

Catalog No: #AB11835



Package Size: #AB11835-1 50ul #AB11835-2 100ul

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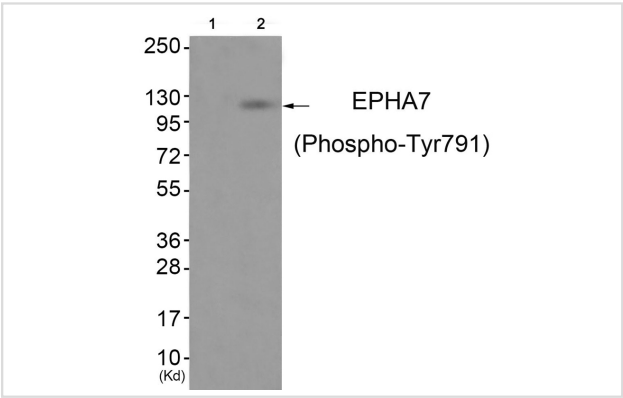
Description

Product Name	EPHA7 (Phospho-Tyr791) Antibody
Host Species	Rabbit
Clonality	Polyclonal
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 chromatography using non-phosphopeptide.
Applications	WB
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of EPHA7 only when phosphorylated at tyrosine 791.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of tyrosine 791 (A-V-Y(p)-T-T) derived from Human EPHA7 .
Target Name	EPHA7
Modification	Phospho-Tyr791
Other Names	EHK3; EK11; HEK11;
Accession No.	Swiss-Prot#: Q15375; NCBI Gene#: 2045; NCBI Protein#: NP_004431.1.
SDS-PAGE MW	112kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C/1 year

Application Details

Western blotting: 1:500~1:1000

Images



Western blot analysis of extracts from JK cells (Lane 2), using EPHA7 (Phospho-Tyr791) Antibody #AB11835. The lane on the left is treated with antigen-specific peptide.

Background

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.

Fox G.M., Oncogene 10:897-905(1995).

Mungall A.J., Nature 425:805-811(2003).

Note: This product is for in vitro research use only and is not intended for use in humans or animals.