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# anti-EPH Receptor A7 antibody (pTyr791)



Image



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Overview		
Quantity:	100 μL	
Target:	EPH Receptor A7 (EPHA7)	
Binding Specificity:	pTyr791	
Reactivity:	Human	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This EPH Receptor A7 antibody is un-conjugated	
Application:	Western Blotting (WB), ELISA	
Product Details		
Immunogen:	Peptide sequence around phosphorylation site of tyrosine 791 (A-V-Y(p)-T-T) derived from	
	Human EPHA7.	
Isotype:	IgG	
Cross-Reactivity:	Human, Mouse, Rat	
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	
Target Details		
Target:	EPH Receptor A7 (EPHA7)	
Alternative Name:	EPHA7 (EPHA7 Products)	

#### **Target Details**

Background:

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).

Aliases: Cek 11 antibody, Developmental kinase 1 antibody, EBK antibody, EHK-3 antibody, EHK3 antibody, EK11 antibody, Embryonic brain kinase antibody, EPH homology kinase 3 antibody, EPH-like kinase 11 antibody, Epha7 antibody, EPHA7\_HUMAN antibody, Ephrin receptor Eph A7 antibody, Ephrin type A receptor 7 antibody, Ephrin type-A receptor 7 antibody, hEK11 antibody, MDK 1 antibody, Receptor protein tyrosine kinase HEK 11 antibody, Tyrosine protein kinase receptor EHK 3 antibody

UniProt:

Q15375

Pathways:

**RTK Signaling** 

#### **Application Details**

Application Notes:

WB:1:500-1:1000,

Restrictions:

For Research Use only

#### Handling

Format:

Liquid

Buffer:

Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl,

0.02 % sodium azide and 50 % glycerol.

Preservative:

Sodium azide

Precaution of Use:

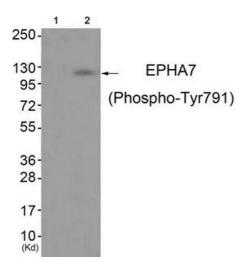
This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

should be handled by trained staff only.

## Handling

Storage:	-20 °C,-80 °C
Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.	

### **Images**



#### **Western Blotting**

**Image 1.** Western blot analysis of extracts from JK cells (Lane 2), using EPHA7 (Phospho-Tyr791) Antibody. The lane on the left is treated with antigen-specific peptide.