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anti-EPH Receptor A7 antibody (Internal Region)



Image



Overview	
Quantity:	100 μL
Target:	EPH Receptor A7 (EPHA7)
Binding Specificity:	Internal Region
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EPH Receptor A7 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunocytochemistry (ICC)
Product Details	
Immunogen:	A synthesized peptide derived from human EPHA7, corresponding to a region within the internal amino acids.
Isotype:	IgG
Specificity:	EPHA7 Antibody detects endogenous levels of total EPHA7.
Predicted Reactivity:	Pig,Zebrafish,Bovine,Horse,Sheep,Rabbit,Dog,Chicken,Xenopus
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink TM Coupling Resin (Thermo Fisher Scientific).
Target Details	
Target:	EPH Receptor A7 (EPHA7)

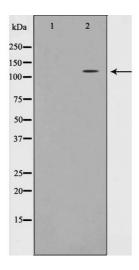
Target Details

Alternative Name:	EPHA7 (EPHA7 Products)
Background:	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.
	May also regulate brain development through a caspase(CASP3)-dependent proapoptotic
	activity. Forward signaling may result in activation of components of the ERK signaling pathway
	including MAP2K1, MAP2K2, MAPK1 AND MAPK3 which are phosphorylated upon activation of
	EPHA7.
	Gene: EPHA7
Molecular Weight:	112kDa
Gene ID:	2045
UniProt:	Q15375
Pathways:	RTK Signaling
Application Details	
Application Notes:	WB 1:500-1:2000, ELISA(peptide) 1:20000-1:40000, IF/ICC 1:100-1:500
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Rabbit IgG in phosphate buffered saline , 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
Storage Comment:	Store at -20 °C. Stable for 12 months from date of receipt.
Expiry Date:	12 months

Images



Western Blotting

Image 1. Western blot analysis on JK cell lysate using EPHA7 Antibody,The lane on the left is treated with the antigen-specific peptide.