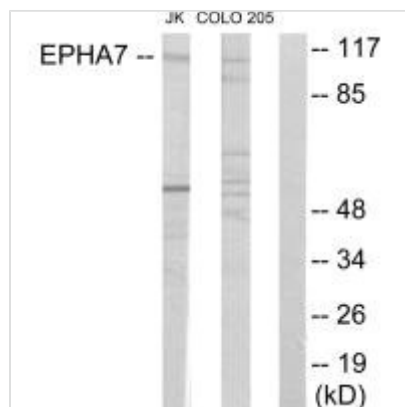




EPHA7 Antibody

Product Code	CSB-PA235595
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	Q15375
Immunogen	Synthesized peptide derived from internal of Human EPHA7.
Raised In	Rabbit
Species Reactivity	Human,Mouse,Rat
Specificity	The antibody detects endogenous levels of total EPHA7 protein.
Tested Applications	ELISA,WB;WB:1:500-1:3000
Relevance	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. Fox G.M., Oncogene 10:897-905(1995). Mungall A.J., Nature 425:805-811(2003). Sjoeblom T., Science 314:268-274(2006).
Form	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purification Method	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Alias	Ephrin type-A receptor 7 [Precursor]; EC 2.7.10.1; Tyrosine-protein kinase receptor EHK-3; EPH homology kinase 3; Receptor protein-tyrosine kinase HEK11
Product Type	Polyclonal Antibody
Species	Homo sapiens (Human)
Target Names	EPHA7
Image	



Western blot analysis of extracts from Jurkat cells and COLO205 cells, using EPHA7 antibody.