

EphA8 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP58578

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	P29322
Reactivity	Rat, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	111003

Additional Information

Gene ID	2046
Other Names	Ephrin type-A receptor 8, 2.7.10.1, EPH- and ELK-related kinase, EPH-like kinase 3, EK3, hEK3, Tyrosine-protein kinase receptor EEK, EPHA8, EEK, HEK3, KIAA1459
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	EPHA8
Synonyms	EEK, HEK3, KIAA1459
Function	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. The GPI-anchored ephrin-A EFNA2, EFNA3, and EFNA5 are able to activate EPHA8 through phosphorylation. With EFNA5 may regulate integrin-mediated cell adhesion and migration on fibronectin substrate but also neurite outgrowth. During development of the nervous system also plays a role in axon guidance. Downstream effectors of the EPHA8 signaling pathway include FYN which promotes cell adhesion upon activation by EPHA8 and the MAP kinases in the stimulation of neurite outgrowth (By similarity).
Cellular Location	Cell membrane {ECO:0000250 UniProtKB:O09127}; Single-pass type I membrane protein. Cell projection {ECO:0000250 UniProtKB:O09127}. Early

endosome membrane {ECO:0000250|UniProtKB:O09127}. Note=Undergoes clathrin-mediated endocytosis upon EFNA5-binding and is targeted to early endosomes {ECO:0000250|UniProtKB:O09127}

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.