



EphA8 Monoclonal Antibody

Catalog No	YP-mAb-12912
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	EPHA8
Immunogen	Purified recombinant fragment of EphA8 (aa70-150) expressed in E. Coli.
Specificity	EphA8 Monoclonal Antibody detects endogenous levels of EphA8 protein.
Formulation	Ascitic fluid containing 0.03% sodium azide,0.5% BSA, 50%glycerol.
Source	Monoclonal, Mouse
Purification	Affinity purification
Dilution	Western Blot: 1/500 - 1/2000.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	EEK;EK3;EPH and ELK related kinase;EPH like kinase 3;EPH receptor A8; EPHA8;Ephrin type A receptor 8;HEK3;KIAA1459;Ephrin type-A receptor 8;EPH- and ELK-related kinase;EPH-like kinase 3;Tyrosine-protein kinase receptor EEK
Calculated Molecular Weight	111kD
Cell Pathway	Cell membrane ; Single-pass type I membrane protein . Cell projection . Early endosome membrane . Undergoes clathrin-mediated endocytosis upon EFNA5-binding and is targeted to early endosomes. .
Tissue Specificity	Brain, Eye,
Function	catalytic activity:ATP + a [protein]-L-tyrosine = ADP + a [protein]-L-tyrosine phosphate.,function:Receptor for members of the ephrin-A family., PTM:Phosphorylation on Tyr-616 is critical for association with FYN., PTM:Phosphorylation on Tyr-839 modulates tyrosine kinase activity., similarity:Belongs to the protein kinase superfamily. Tyr protein kinase family. Ephrin receptor subfamily.,similarity:Contains 1 protein kinase domain., similarity:Contains 1 SAM (sterile alpha motif) domain.,similarity:Contains 2 fibronectin type-III domains.,subunit:Interacts with FYN (By similarity). Interacts with ANKS1B.,



Background

This gene encodes a member of the ephrin receptor subfamily of the protein-tyrosine kinase family. EPH and EPH-related receptors have been implicated in mediating developmental events, particularly in the nervous system. Receptors in the EPH subfamily typically have a single kinase domain and an extracellular region containing a Cys-rich domain and 2 fibronectin type III repeats. The ephrin receptors are divided into 2 groups based on the similarity of their extracellular domain sequences and their affinities for binding ephrin-A and ephrin-B ligands. The protein encoded by this gene functions as a receptor for ephrin A2, A3 and A5 and plays a role in short-range contact-mediated axonal guidance during development of the mammalian nervous system. [provided by RefSeq, Jul 2008],

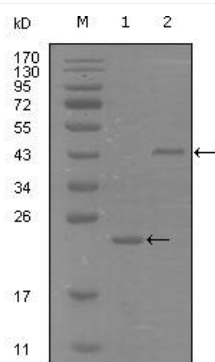
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis using EphA8 Monoclonal Antibody against truncated Trx-EphA8 recombinant protein (1) and truncated MBP-EphA8(aa70-150) recombinant protein (2).