



EphA5 Polyclonal Antibody

Catalog No	YP-Ab-13224
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;ELISA
Gene Name	EPHA5
Immunogen	The antiserum was produced against synthesized peptide derived from human EPHA5. AA range:471-520
Specificity	EphA5 Polyclonal Antibody detects endogenous levels of EphA5 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	CEK7;EHK 1;EHK1;EK7;EPH homology kinase 1;EPH like kinase 7;EPH receptor A5;EPHA5;Ephrin type A receptor 5;HEK7;TYRO4;Ephrin type-A receptor 5;BSK;Brain-specific kinase;EHK-1;EPH-like kinase 7
Observed Band	110kD
Calculated Molecular Weight	110kD
Cell Pathway	Cell membrane ; Single-pass type I membrane protein . Cell projection, axon . Cell projection, dendrite .
Tissue Specificity	Almost exclusively expressed in the nervous system in cortical neurons, cerebellar Purkinje cells and pyramidal neurons within the cortex and hippocampus. Display an increasing gradient of expression from the forebrain to hindbrain and spinal cord.
Function	alternative products:Additional isoforms seem to exist,catalytic activity:ATP + a [protein]-L-tyrosine = ADP + a [protein]-L-tyrosine phosphate.,function:Receptor for members of the ephrin-A family. Binds to ephrin-A1, -A2, -A3, -A4 and -A5., similarity:Belongs to the protein kinase superfamily. Tyr protein kinase family., 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.,tissue specificity:Almost exclusively expressed in the nervous system.,

Background

This gene belongs to 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. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq, Aug 2013],

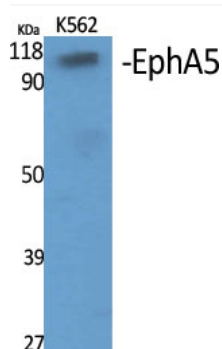
matters needing attention

Avoid repeated freezing and thawing!

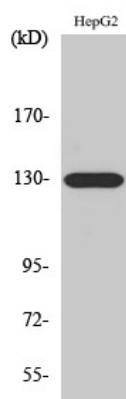
Usage suggestions

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

Products Images



Western Blot analysis of various cells using EphA5 Polyclonal Antibody



Western Blot analysis of A549 cells using EphA5 Polyclonal Antibody

Western blot analysis of the lysates from HeLa cells using EPHA5 antibody.