Product Datasheet

EPHA3/4/5 (Phospho-Tyr779/833) Antibody

Catalog No: #11729

Package Size: #11729-1 50ul #11729-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

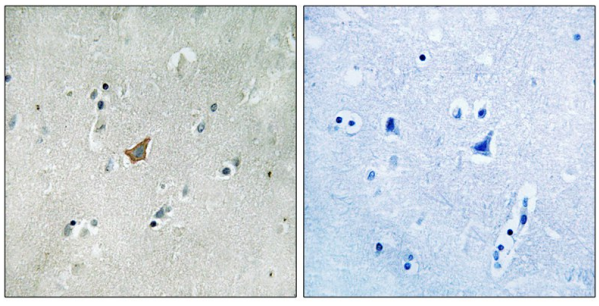
Description

Product Name	EPHA3/4/5 (Phospho-Tyr779/833) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy using non-phosphopeptide.
Applications	IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of EPHA3/4/5 only when phosphorylated at tyrosine 779/833.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of tyrosine 779/833 (E-A-Y(p)-T-T)/(A-A-Y(p)-T-T) derived from Human EPHA3/4/5.
Target Name	EPHA3/4/5
Modification	Phospho
Other Names	EPA3; ETK; HEK; MEK4; REK
Accession No.	Swiss-Prot#: P29320/54764/54756; NCBI Gene#: 2042/2043; NCBI Protein#: NP_004429.1.
SDS-PAGE MW	110kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C/1 year

Application Details

Immunohistochemistry: 1:50~1:100

Images



Immunohistochemical analysis of paraffin-embedded human brain tissue using EPHA3/4/5 (Phospho-Tyr779/833) antibody #11729 (left)or the same antibody preincubated with blocking peptide (right).

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. This gene encodes a protein that binds ephrin-A ligands.

Wicks I.P., Proc. Natl. Acad. Sci. U.S.A. 89:1611-1615(1992).

Chiari R., Cancer Res. 60:4855-4863(2000).

Boyd A.W., J. Biol. Chem. 267:3262-3267(1992).

Note: This product is for in vitro research use only and is not intended for use in humans or animals.