

Summary

Production Name	EphA3/4/5 (phospho Tyr779/833) Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	IHC,ELISA
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Phospho Antibody
lsotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	EPHA3/EPHA4/EPHA5
	EPHA3; ETK; ETK1; HEK; TYRO4; Ephrin type-A receptor 3; EPH-like kinase 4; EK4; hEK4;
Alternative Names	HEK; Human embryo kinase; Tyrosine-protein kinase TYRO4; Tyrosine-protein kinase
	receptor ETK1; Eph-like tyrosine kinase 1; EPHA4; HEK8; SEK; TYRO1; Ephri
Gene ID	2042/2043
	P29320/P54764/P54756.The antiserum was produced against synthesized peptide
SwissProt ID	derived from human EPHA3/4/5 around the phosphorylation site of Tyr779/833. AA
	range:746-795

Application

Dilution Ratio	IHC 1:100-1:300 ELISA: 1:10000
Molecular Weight	110kD



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. Two alternatively spliced transcript variants have been described for this gene. [provided by RefSeq, Jul 2008],catalytic activity:ATP + a [protein]-L-tyrosine = ADP + a [protein]-L-tyrosine phosphate.,disease:Defects in EPHA3 may be a cause of colorectal cancer (CRC) [MIM:114500],function:Receptor for members of the ephrin-A family. Binds to ephrin-A2, -A3, -A4 and -A5. Could play a role in lymphoid function.,similarity:Belongs to the protein kinase superfamily. Tyr protein kinase family, 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:Widely expressed. Highest level in placenta,

Research Area

Axon guidance;

Image Data



Immunohistochemistry analysis of paraffin-embedded human brain, using EPHA3/4/5 (Phospho-Tyr779/833) Antibody. The picture on the right is blocked with the phospho peptide.

Note

For research use only.