

EphA3/4/5 (phospho Tyr779/833) Polyclonal Antibody

Catalog No: YP1041

Reactivity: Human; Mouse; Rat

Applications: IHC;IF;ELISA

Target: EphA3/4/5

Fields: >>Axon guidance

Gene Name: EPHA3/EPHA4/EPHA5

Protein Name: Ephrin type-A receptor 3/4/5

Human Gene Id: 2042/2043

Human Swiss Prot

P29320/P54764/P54756

No:

Mouse Gene Id: 13838/13839

Rat Gene Id: 29210/79208

Rat Swiss Prot No: 008680/P54757

Immunogen: The antiserum was produced against synthesized peptide derived from human

EPHA3/4/5 around the phosphorylation site of Tyr779/833. AA range:746-795

Specificity: Phospho-EphA3/4/5 (Y779/833) Polyclonal Antibody detects endogenous levels

of EphA3/4/5 protein only when phosphorylated at Y779/833.

Formulation : Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Polyclonal, Rabbit, IgG

Dilution: IHC 1:100 - 1:300. ELISA: 1:10000.. IF 1:50-200

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.



Concentration: 1 mg/ml

Storage Stability: -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band: 110kD

Cell Pathway: Axon guidance;

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],

Function : 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. 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.,

Subcellular Location:

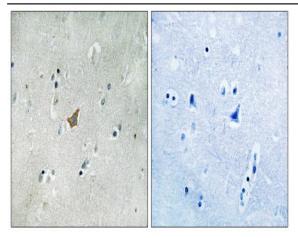
[Isoform 1]: Cell membrane; Single-pass type I membrane protein.; [Isoform 2]:

Secreted.

Expression: Widely expressed. Highest level in placenta.

Products Images

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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.