

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

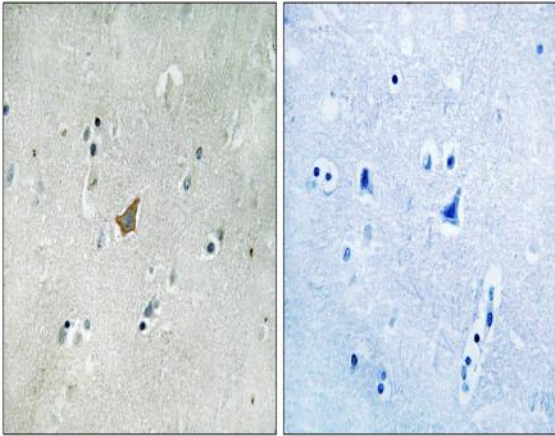
<b>Catalog No :</b>	YP1041
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	IHC;IF;ELISA
<b>Target :</b>	EphA3/4/5
<b>Fields :</b>	>>Axon guidance
<b>Gene Name :</b>	EPHA3/EPHA4/EPHA5
<b>Protein Name :</b>	Ephrin type-A receptor 3/4/5
<b>Human Gene Id :</b>	2042/2043
<b>Human Swiss Prot No :</b>	P29320/P54764/P54756
<b>Mouse Gene Id :</b>	13838/13839
<b>Rat Gene Id :</b>	29210/79208
<b>Rat Swiss Prot No :</b>	O08680/P54757
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human EPHA3/4/5 around the phosphorylation site of Tyr779/833. AA range:746-795
<b>Specificity :</b>	Phospho-EphA3/4/5 (Y779/833) Polyclonal Antibody detects endogenous levels of EphA3/4/5 protein only when phosphorylated at Y779/833.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	IHC 1:100 - 1:300. ELISA: 1:10000.. IF 1:50-200
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

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<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Observed Band :</b>	110kD
<b>Cell Pathway :</b>	Axon guidance;
<b>Background :</b>	<p>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],</p>
<b>Function :</b>	<p>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.,</p>
<b>Subcellular Location :</b>	[Isoform 1]: Cell membrane ; Single-pass type I membrane protein .; [Isoform 2]: Secreted .
<b>Expression :</b>	Widely expressed. Highest level in placenta.

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## Products Images



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.