

## EPHB1/2/3/4 (Phospho Tyr600/602/614/596) rabbit pAb

<b>Catalog No :</b>	YP1760
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	WB
<b>Target :</b>	EPHB1/2/3/4
<b>Fields :</b>	>>Axon guidance
<b>Gene Name :</b>	EPHB1 ELK EPHT2 HEK6 NET
<b>Protein Name :</b>	EPHB1/2/3/4 (Phospho-Tyr600/602/614/596)
<b>Human Gene Id :</b>	2047
<b>Human Swiss Prot No :</b>	P54762
<b>Mouse Gene Id :</b>	270190
<b>Mouse Swiss Prot No :</b>	Q8CBF3
<b>Rat Gene Id :</b>	24338
<b>Rat Swiss Prot No :</b>	P09759
<b>Immunogen :</b>	Synthesized peptide derived from human EPHB1/2/3/4 (Phospho-Tyr600/602/614/596)
<b>Specificity :</b>	This antibody detects endogenous levels of EPHB1/2/3/4 (Phospho-Tyr600/602/614/596) at Human, Mouse,Rat
<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>	WB 1:500-2000

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<b>Purification :</b>	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Molecularweight :</b>	108kD
<b>Background :</b>	Ephrin receptors and their ligands, the ephrins, mediate numerous developmental processes, particularly in the nervous system. Based on their structures and sequence relationships, ephrins are divided into the ephrin-A (EFNA) class, which are anchored to the membrane by a glycosylphosphatidylinositol linkage, and the ephrin-B (EFNB) class, which are transmembrane proteins. The Eph family of 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. Ephrin receptors make up the largest subgroup of the receptor tyrosine kinase (RTK) family. The protein encoded by this gene is a receptor for ephrin-B family members. [provided by RefSeq, Jul 2008],
<b>Function :</b>	catalytic activity:ATP + a [protein]-L-tyrosine = ADP + a [protein]-L-tyrosine phosphate.,function:Receptor for members of the ephrin-B family. Binds to ephrin-B1, -B2 and -B3. May be involved in cell-cell interactions in the nervous system.,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.,subunit:The ligand-activated form interacts with GRB2, GRB10 and NCK through their respective SH2 domains. The GRB10 SH2 domain binds EPHB1 through Tyr-928, while GRB2 binds residues within the catalytic domain. Interacts with EPHB6. The NCK SH2 domain binds EPHB1 through Tyr-594. Interacts with PRKCABP.,tissue specificity:Preferentially expressed in brain.,
<b>Subcellular Location :</b>	Cell membrane ; Single-pass type I membrane protein . Early endosome membrane . Cell projection, dendrite .
<b>Expression :</b>	Preferentially expressed in brain.

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