

## EPHB4 (Phospho Tyr987) rabbit pAb

<b>Catalog No :</b>	YP1682
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	WB
<b>Target :</b>	EPHB4
<b>Fields :</b>	>>Axon guidance
<b>Gene Name :</b>	EPHB4 HTK MYK1 TYRO11
<b>Protein Name :</b>	EPHB4 (Phospho-Tyr987)
<b>Human Gene Id :</b>	2050
<b>Human Swiss Prot No :</b>	P54760
<b>Mouse Gene Id :</b>	13846
<b>Mouse Swiss Prot No :</b>	P54761
<b>Immunogen :</b>	Synthesized peptide derived from human EPHB4 (Phospho-Tyr987)
<b>Specificity :</b>	This antibody detects endogenous levels of EPHB4 (Phospho-Tyr987) 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
<b>Purification :</b>	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
<b>Concentration :</b>	1 mg/ml

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

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**Observed Band :** 110kD

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**Background :** 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 binds to ephrin-B2 and plays an essential role in vascular development. [provided by RefSeq, Jul 2008],

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**Function :** 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-B2. May have a role in events mediating differentiation and development.,PTM:Autophosphorylated.,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:Abundantly expressed in placenta and in a range of primary tissues and malignant cell lines. Expressed in fetal, but not adult, brain, and in primitive and myeloid, but not lymphoid, hematopoietic cells.,

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**Subcellular Location :** Cell membrane ; Single-pass type I membrane protein .

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**Expression :** Abundantly expressed in placenta but also detected in kidney, liver, lung, pancreas, skeletal muscle and heart. Expressed in primitive and myeloid, but not lymphoid, hematopoietic cells. Also observed in cell lines derived from liver, breast, colon, lung, melanocyte and cervix.

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## Products Images

Western Blot analysis of 1 Hela treated with LPS, 2 Hela, using primary antibody at 1:1000 dilution. Secondary antibody (catalog#:RS23920) was diluted at 1:10000

