

Ephrin-B1/2/3 (Phospho Tyr324) Rabbit pAb

CatalogNo: YP0812

Orthogonal Validated 

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, IHC, IF, ELISA

MW

- 46kD (Observed)

Isotype

- IgG

Recommended Dilution Ratios

WB 1:500-1:2000**IHC 1:100-1:300****ELISA 1:20000****IF 1:50-200**

Storage

Storage*

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

Formulation

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

Basic Information

Clonality

Polyclonal

Immunogen Information

Immunogen

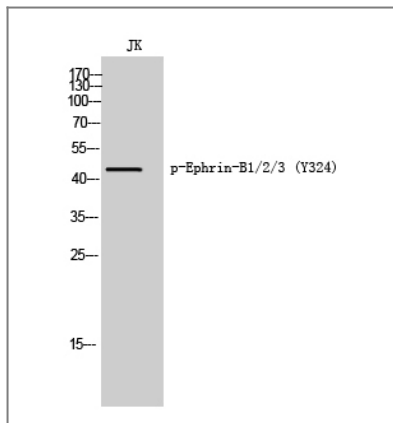
The antiserum was produced against synthesized peptide derived from human Ephrin B1/B2/B3 around the phosphorylation site of Tyr324. AA range: 290-339

Specificity Phospho-Ephrin-B1/2/3 (Y324) Polyclonal Antibody detects endogenous levels of Ephrin-B1/2/3 protein only when phosphorylated at Y324. The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites):GDyGH

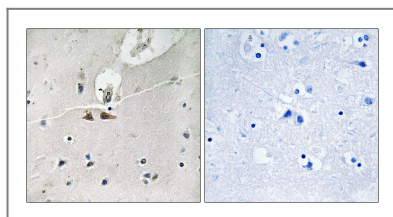
Target Information

Gene name	EFNB1/EFNB2/EFNB3		
Protein Name	Ephrin-B1/2/3		
	Organism	Gene ID	UniProt ID
	Human	1947 ; 1948 ; 1949 ;	P98172 ; P52799 ; Q15768 ;
	Mouse	13641 ; 13642 ; 13643 ;	
	Rat		P52796 ;
Cellular Localization	Cell membrane ; Single-pass type I membrane protein . Membrane raft . May recruit GRIP1 and GRIP2 to membrane raft domains. . ; [Ephrin-B1 C-terminal fragment]: Cell membrane ; Single-pass type I membrane protein . ; [Ephrin-B1 intracellular domain]: Nucleus . Colocalizes with ZHX2 in the nucleus. .		
Tissue specificity	Widely expressed (PubMed:8070404, PubMed:7973638). Detected in both neuronal and non-neuronal tissues (PubMed:8070404, PubMed:7973638). Seems to have particularly strong expression in retina, sciatic nerve, heart and spinal cord (PubMed:7973638).		
Function	Disease:Defects in EFNB1 are a cause of craniofrontonasal syndrome (CFNS) [MIM:304110]; also known as craniofrontonasal dysplasia (CFND). CFNS is an X-linked inherited syndrome characterized by hypertelorism, coronal synostosis with brachycephaly, downslanting palpebral fissures, clefting of the nasal tip, joint anomalies, longitudinally grooved fingernails and other digital anomalies.,Function:Binds to the receptor tyrosine kinases EPHB1 and EPHA1. Binds to, and induce the collapse of, commissural axons/growth cones in vitro. May play a role in constraining the orientation of longitudinally projecting axons.,induction:By TNF-alpha.,PTM:Inducible phosphorylation of tyrosine residues in the cytoplasmic domain.,similarity:Belongs to the ephrin family.,subunit:Interacts with GRIP1 and GRIP2.,tissue specificity:Heart, placenta, lung, liver, skeletal muscle, kidney, pancreas.,		

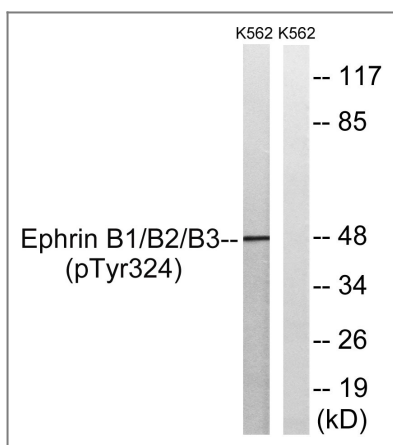
Validation Data



Western Blot analysis of JK cells using Phospho-Ephrin-B1/2/3 (Y324) Polyclonal Antibody



Immunohistochemistry analysis of paraffin-embedded human brain, using Ephrin B1/B2/B3 (Phospho-Tyr324) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from K562 cells treated with serum 20% 15', using Ephrin B1/B2/B3 (Phospho-Tyr324) Antibody. The lane on the right is blocked with the phospho peptide.

Contact information

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Please scan the QR code to access additional product information:
Ephrin-B1/2/3 (Phospho Tyr324) Rabbit pAb