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anti-EPH Receptor B2 antibody (C-Term)





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Alternative Name:

Overview		
Quantity:	400 μL	
Target:	EPH Receptor B2 (EPHB2)	
Binding Specificity:	AA 1021-1050, C-Term	
Reactivity:	Human	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This EPH Receptor B2 antibody is un-conjugated	
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)),	
	Immunofluorescence (IF)	
Product Details		
Immunogen:	This EphB2 antibody is generated from rabbits immunized with a KLH conjugated synthetic	
	peptide between 1021-1050 amino acids from the C-terminal region of human EphB2.	
Clone:	RB01652	
Isotype:	lg Fraction	
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by	
	dialysis against PBS.	
Target Details		
Target:	EPH Receptor B2 (EPHB2)	

EphB2 (EPHB2 Products)

Target Details

rarget Details		
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 ligand-activated form of EphB2, which belongs to the Tyr family of protein kinases, interacts with multiple proteins, including GTPase-activating protein (RASGAP) through its SH2 domain. It binds RASGAP through the juxtamembrane tyrosines residues, and also interacts with PRKCABP and GRIP1 This type I membrane protein is expressed in brain, heart, lung, kidney, placenta, pancreas, liver and skeletal muscle. It is preferentially expressed in fetal brain	
Molecular Weight:	This protein contains putatively 2 fibronectin type III domains and 1 sterile alpha motif (SAM) domain. 117493	
Gene ID:		
	2048	
NCBI Accession:	NP_004433, NP_059145	
UniProt:	P29323	
Pathways:	RTK Signaling, Regulation of long-term Neuronal Synaptic Plasticity, S100 Proteins	
Application Details		
Application Notes:	IF: 1:10~50. WB: 1:1000. IHC-P: 1:10~50. IHC-P: 1:10~50	
Restrictions:	For Research Use only	
Handling		
Format:	Liquid	
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.	
Preservative:	Sodium azide	
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.	

4 °C,-20 °C

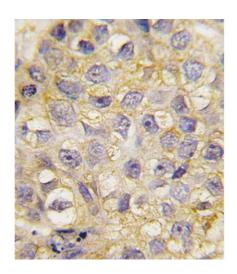
Storage:

Handling

Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small
	aliquots to prevent freeze-thaw cycles.

Expiry Date: 6 months

Images

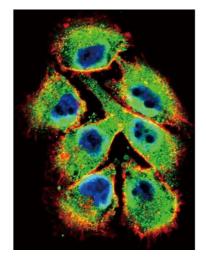


Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-fixed and paraffin-embedded human breast carcinoma tissue reacted with EphB2 antibody (Cterm), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated.

Western Blotting

Image 2. Western blot analysis of anti-EphB2 C-term Pab (ABIN391920 and ABIN2841730) in NCI- cell lysate. EphB2 (arrow) was detected using purified Pab. Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence.



Immunofluorescence

Image 3. Confocal immunofluorescent analysis of EphB2 Antibody (C-term) (ABIN391920 and ABIN2841730) with cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). Actin filaments have been labeled with Alexa Fluor 555 phalloidin (red).DI was used to stain the cell nuclear (blue).

Please check the product details page for more images. Overall 4 images are available for ABIN391920.

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