# antibodies -online.com







# anti-EPH Receptor B4 antibody (Extracellular, N-Term)



## **Images**



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Purification:

Quantity:	50 μL
Target:	EPH Receptor B4 (EPHB4)
Binding Specificity:	AA 472-486, Extracellular, N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Flow Cytometry (FACS)
Product Details	
Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)HEKGAEGPSSVRFLK, corresponding to amino acid residues 472-486 of mouse EphB4
Isotype:	IgG
Characteristics:	Anti-EphB4 (extracellular) Antibody (ABIN7043127, ABIN7044253 and ABIN7044254)) is a highly specific antibody directed against an epitope of the mouse protein. The antibody can be used in western blot, immunohistochemistry, and live cell flow cytometry applications. It has

Affinity purified on immobilized antigen.

## **Target Details**

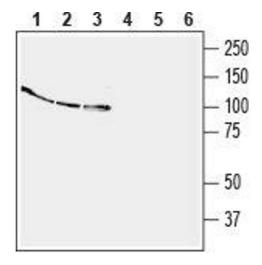
Target:	EPH Receptor B4 (EPHB4)	
Alternative Name:	EphB4 (EPHB4 Products)	
Background:	Alternative names: EphB4, Ephrin type-B receptor 4, Eph receptor B4, Hepatoma transmembrane kinase, HTK	
Gene ID:	13846	
NCBI Accession:	NM_004444	
UniProt:	P54761	
Pathways:	RTK Signaling	

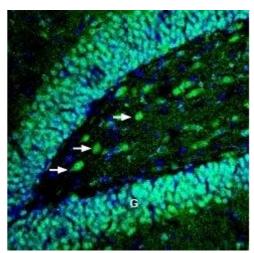
# Application Details

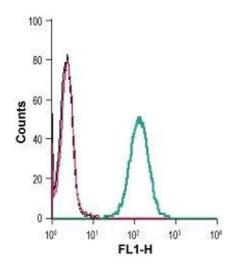
Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

## Handling

Format:	Lyophilized
Reconstitution:	$25~\mu\text{L},50~\mu\text{L}$ or 0.2 mL double distilled water (DDW), depending on the sample size.
Concentration:	0.8 mg/mL
Buffer:	Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 0.05 % 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.
Storage:	RT,4 °C,-20 °C
Storage Comment:	Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature.  Upon arrival, it should be stored at -20°C.  Storage after reconstitution: The reconstituted solution can be stored at 4°C for up to 1 week.  For longer periods, small aliquots should be stored at -20°C. Avoid multiple freezing and thawing. Centrifuge all antibody preparations before use (10000 x g 5 min).







#### **Western Blotting**

Image 1. Western blot analysis of human THP-1 monocytic leukemia cell line lysate (lanes 1 and 4), human Jurkat T-cell leukemia cell line lysate (lanes 2 and 5) and human MCF-7 breast adenocarcinoma cell line lysate (lanes 3 and 6): - 1-3. Anti-EphB4 (extracellular) Antibody (ABIN7043127, ABIN7044253 and ABIN7044254), (1:200).4-6. Anti-EphB4 (extracellular) Antibody, preincubated with EphB4 (extracellular) Blocking Peptide (#BLP-ER024).

### **Immunohistochemistry**

Image 2. Expression of EphB4 in rat hippocampus - Immunohistochemical staining of perfusion-fixed frozen rat brain sections with Anti-EphB4 (extracellular) Antibody (ABIN7043127, ABIN7044253 and ABIN7044254), (1:100), followed by goat anti-rabbit-AlexaFluor-488. EphB4 immunoreactivity (green) in the hippocampal dentate gyrus is detected in the granule layer (G) and hilar interneurons (arrows). Cell nuclei are stained with DAPI (blue).

### **Flow Cytometry**

**Image 3.** Cell surface detection of EphB4 in live intact human THP-1 monocytic leukemia cells: (black line) Cells.(red line) Cells + goat-anti-rabbit-FITC.(green line) Cells + Anti-EphB4 (extracellular) Antibody (ABIN7043127, ABIN7044253 and ABIN7044254), (2.5 μg) + goat-anti-rabbit-FITC.

Please check the product details page for more images. Overall 5 images are available for ABIN7043127.