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anti-EPH Receptor A2 antibody (Extracellular, N-Term)



Overview

Images



Overview	
Quantity:	0.2 mL
Target:	EPH Receptor A2 (EPHA2)
Binding Specificity:	AA 333-347, Extracellular, N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EPH Receptor A2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Flow Cytometry (FACS)
Product Details	
Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)HYLTAVGMGAKVELR, corresponding to amino acid residues 333 - 347 of human EphA2
Isotype:	IgG
Characteristics:	Anti-EphA2 (extracellular) Antibody (ABIN7043122, ABIN7044249 and ABIN7044250)) is a highly specific antibody directed against an epitope of human EPHA2. The antibody can be used in western blot and live cell flow cytometry applications. It has been designed to recognize EphA2 from rat, mouse, and human samples.
Purification:	Affinity purified on immobilized antigen.

Target Details

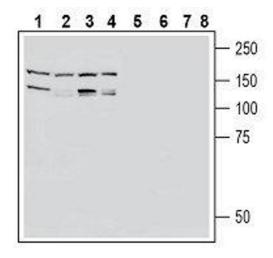
Target:	EPH Receptor A2 (EPHA2)
Alternative Name:	EphA2 (EPHA2 Products)
Background:	Alternative names: Ephrin type A receptor 2, EPH Receptor A2, Epithelial Cell Kinase, Tyrosine- Protein Kinase Receptor ECK, ECK, EPHA2
Gene ID:	44133
NCBI Accession:	NM_004431
UniProt:	P29317
Pathways:	RTK Signaling

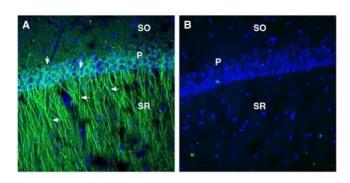
Application Details

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 $0.2~m\text{L}$ 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).



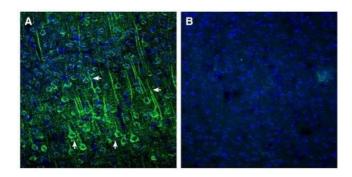


Western Blotting

Image 1. Western blot analysis of human U87-MG glioblastoma cell line lysate (lanes 1 and 5), human THP-1 monocytic leukemia cell line lysate (lanes 2 and 6), human LNCaP prostate adenocarcinoma cell line lysate (lanes 3 and 7) and human MCF-7 breast adenocarcinoma cell line lysate (lanes 4 and 8): - 1-4. Anti-EphA2 (extracellular) Antibody (ABIN7043122, ABIN7044249 and ABIN7044250), (1:200). 5-8. Anti-EphA2 (extracellular) Antibody, preincubated with EphA2 (extracellular) Blocking Peptide (#BLP-ER019).

Immunohistochemistry

Image 2. Expression of EphA2 in rat hippocampus. -Immunohistochemical staining of perfusion-fixed frozen rat brain sections with Anti-EphA2 (extracellular) Antibody (ABIN7043122, ABIN7044249 and ABIN7044250), (1:300), followed by goat anti-rabbit-AlexaFluor-488. A. Staining in the rat hippocampal CA1 region, showed immunoreactivity (green) in neuronal profiles in both soma (vertical arrows) and apical dendrites of pyramidal neurons (horizontal arrows). B. Pre-incubation of the antibody with EphA2 (extracellular) Blocking Peptide (#BLP-ER019), suppressed staining. Cell nuclei are stained with DAPI (blue). P = pyramidal layer, SO = stratum oriens, SR = stratum radiatum.



Immunohistochemistry

Image 3. Expression of EphA2 in mouse cortex. - Immunohistochemical staining of perfusion-fixed frozen mouse brain sections with Anti-EphA2 (extracellular) Antibody (ABIN7043122, ABIN7044249 and ABIN7044250), (1:300), followed by goat anti-rabbit-AlexaFluor-488. A. EphA2 immunoreactivity (green) appeared in neuronal profiles in both soma (vertical arrows) and apical dendrites of pyramidal neurons (horizontal arrows). B. Pre-incubation of the antibody with EphA2 (extracellular) Blocking Peptide (#BLP-ER019), suppressed staining. Cell nuclei are stained with DAPI (blue).

Please check the product details page for more images. Overall 5 images are available for ABIN7043122.