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Datasheet for ABIN7043603 anti-ROBO1 antibody (Extracellular, N-Term)



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Images

Overview	
Quantity:	0.2 mL
Target:	ROB01
Binding Specificity:	AA 491-506, Extracellular, N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Flow Cytometry (FACS)
Product Details	
Immunogen:	Immunogen: Synthetic peptide
	Immunogen Sequence: (C)DGVLVSTQDSRIKQLE, corresponding to amino acid residues 491 -
	506 of human Robo1
Isotype:	lgG
Characteristics:	Anti-Robo1 (extracellular) Antibody (ABIN7043603, ABIN7044744 and ABIN7044745)) is a
	highly specific antibody directed against an epitope of the human protein. The antibody can be
	used in western blot, immunohistochemistry, and live cell flow cytometry. It has been designed
	to recognize Robo1 from human, rat, and mouse samples.
Purification:	Affinity purified on immobilized antigen.
Target Details	
Target:	ROB01

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Target Details

Alternative Name:	Robo1 (ROBO1 Products)
Background:	Alternative names: Roundabout Guidance Receptor 1, Roundabout Homolog 1, Deleted In U Twenty Twenty, DUTT1
Gene ID:	6091
NCBI Accession:	NM_002941
UniProt:	Q9Y6N7
Pathways:	Positive Regulation of Endopeptidase Activity

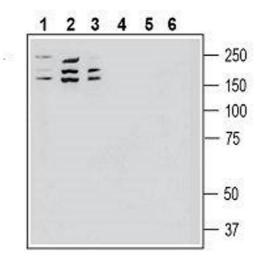
Application Details

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 μL 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).

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Western Blotting

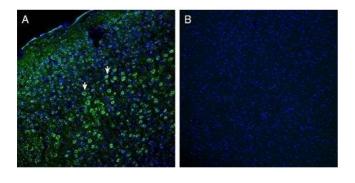
Image 1. Western blot analysis of human SH-SY5Y neuroblastoma cell line lysate (lanes 1 and 4), human MDA-MB-231 breast adenocarcinoma cell line lysate (lanes 2 and 5) and human THP-1 monocytic leukemia cell line lysate (lanes 3 and 6): - 1-3. Anti-Robo1 (extracellular) Antibody (ABIN7043603, ABIN7044744 and ABIN7044745), (1:200). 4-6. Anti-Robo1 (extracellular) Antibody, preincubated with Robo1 (extracellular) Blocking Peptide (#BLP-NR181) (#BLP-NR181).

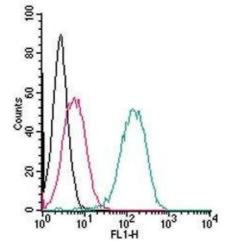
Immunohistochemistry

Image 2. Expression of Robo1 in mouse cortex -Immunohistochemical staining of perfusion-fixed frozen mouse brain sections with Anti-Robo1 (extracellular) Antibody (ABIN7043603, ABIN7044744 and ABIN7044745), (1:200), followed by goat anti-rabbit-AlexaFluor-488. A. Robo1 immunoreactivity (green) appears in neurons (arrows). B. Pre-incubation of the antibody with Robo1 (extracellular) Blocking Peptide (#BLP-NR181), suppresses staining. Cell nuclei are stained with DAPI (blue).

Flow Cytometry

Image 3. Cell surface detection of Robo1 live intact human THP-1 monocytic leukemia cells: (black line) Cells.(red line) Cells + goat-anti-rabbit-FITC.(green line) Cells + Anti-Robo1 (extracellular) Antibody (ABIN7043603, ABIN7044744 and ABIN7044745), (2.5 μg) + goat-anti-rabbit-FITC.





Please check the product details page for more images. Overall 4 images are available for ABIN7043603.

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