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anti-NIPAL4 antibody (2nd Extracellular Loop)

2 Images



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Quantity:	25 μL	
Target:	NIPAL4	
Binding Specificity:	2nd Extracellular Loop, AA 242-256	
Reactivity:	Human, Mouse, Rat	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This NIPAL4 antibody is un-conjugated	
Application:	Western Blotting (WB), Flow Cytometry (FACS)	
Product Details		
Immunogen:	Immunogen: Synthetic peptide	
	Immunogen Sequence: (C)EKVTTIMEMASKMKD, corresponding to amino acid residues 242-	
	256 of human magnesium transporter NIPA4	
Isotype:	IgG	
Characteristics:	Anti-NIPAL4 (extracellular) Antibody is directed against an epitope of human magnesium	
	transporter NIPA4. Anti-NIPAL4 (extracellular) Antibody (ABIN7043394, ABIN7044847 and	
	ABIN7044848)) can be used in western blot and indirect flow cytometry applications. The	
	antibody recognizes an extracellular epitope and is thus ideal for detecting the transporter in	
	living cells. It has been designed to recognize NIPAL4 from mouse, rat and human samples.	
Purification:	Affinity purified on immobilized antigen.	

Target Details

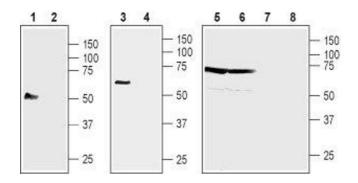
Target:	NIPAL4	
Alternative Name:	NIPAL4 (NIPAL4 Products)	
Background:	Alternative names: NIPAL4, Magnesium transporter NIPA4, NIPA-like protein 4, NIPA-like domain containing 4, Ichthyin, ICHYN, ICHN, Non-imprinted in Prader-Willi/Angelman syndrome region protein 4	
Gene ID:	348938	
NCBI Accession:	NM_001099287	
UniProt:	Q0D2K0	

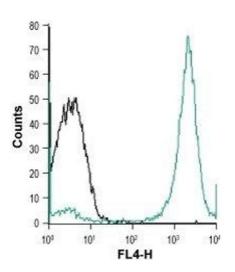
Application Details

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:	0.85 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 acute monocytic leukemia cell line THP-1 (lanes 1 and 2), mouse B cell lymphoma cell line WEHI-231 (lanes 3 and 4), rat brain membranes (lanes 5 and 7) and mouse brain membranes (lanes 6 and 8): - 1,3,5,7. Anti-NIPAL4 (extracellular) Antibody (ABIN7043394, ABIN7044847 and ABIN7044848), (1:400).2,4,6,8. Anti-NIPAL4 (extracellular) Antibody, preincubated with NIPAL4 (extracellular) Blocking Peptide (#BLP-NT144).

Flow Cytometry

Image 2. Cell surface detection of Magnesium transporter NIPA4 in THP-1 (human acute monocytic leukemia cell line) living cells: (black line) Unstained cells. (green line) Cells stained with Anti-NIPAL4 (extracellular) Antibody (ABIN7043394, ABIN7044847 and ABIN7044848), (5 μg/5x10^5 cells).