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Datasheet for ABIN7043723 anti-SLC39A1 antibody (Extracellular, N-Term)





Overview

Quantity:	25 μL
Target:	SLC39A1
Binding Specificity:	AA 5-20, Extracellular, N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SLC39A1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)
Product Details	
Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)GEPELLVWRPEAVASE, corresponding to amino acid residues 5-20 of human ZIP1
Isotype:	IgG
Characteristics:	Anti-ZIP1 (SLC39A1) (extracellular) Antibody is directed against an epitope of the human Zinc transporter ZIP1. Anti-ZIP1 (SLC39A1) (extracellular) Antibody (ABIN7043723, ABIN7045344 and ABIN7045345)) can be used in western blot and immunohistochemistry applications. The antibody recognizes an extracellular epitope and is thus ideal for detecting the protein in living cells. It has been designed to recognize ZIP1 from mouse, rat and human samples.
Purification:	Affinity purified on immobilized antigen.

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Target Details	Target	Details
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Target:	SLC39A1
Alternative Name:	ZIP1 (SLC39A1) (SLC39A1 Products)
Background:	Alternative names: ZIP1 (SLC39A1), Zinc transporter ZIP1, Zinc-iron-regulated transporter-like, Zrt- and Irt-like protein 1, ZIRTL
Gene ID:	27173
NCBI Accession:	NM_014437
UniProt:	Q9NY26
Pathways:	Autophagy

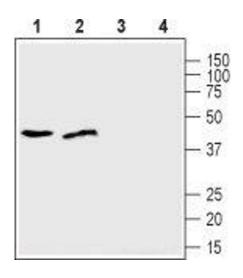
Application Details

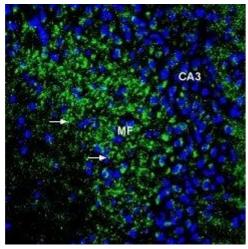
Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

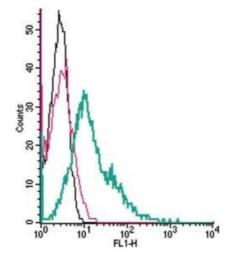
Handling

Format:	Lyophilized
Reconstitution:	25 μL , 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 U-87 MG glioblastoma cell lysate (lanes 1 and 3) and human MDA-231 breast adenocarcinoma cell lysate (lanes 2 and 4): -1,2. Anti-ZIP1 (SLC39A1) (extracellular) Antibody (ABIN7043723, ABIN7045344 and ABIN7045345), (1:200).3,4. Anti-ZIP1 (SLC39A1) (extracellular) Antibody, preincubated with ZIP1/SLC39A1 (extracellular) Blocking Peptide (#BLP-ZT001).

Immunohistochemistry

Image 2. Expression of ZIP1 in rat hippocampus -Immunohistochemical staining of perfusion-fixed frozen rat brain sections using Anti-ZIP1 (SLC39A1) (extracellular) Antibody (ABIN7043723, ABIN7045344 and ABIN7045345), (1:400), followed by anti-rabbit-Alexa-488 antibody. ZIP1 is expressed (green) in the mossy fiber (MF) terminal field (arrows) of the CA3 hippocampal region. Nuclei are labeled with DAPI (blue).

Flow Cytometry

Image 3. Cell surface detection of ZIP1 (SLC39A1) by indirect flow cytometry in live intact human K562 chronic myelogenous leukemia cells: (black line) Cells.(red line) Cells + goat-anti-rabbit-FITC.(green line) Cells + Anti-ZIP1 (SLC39A1) (extracellular) Antibody (ABIN7043723, ABIN7045344 and ABIN7045345), (5 μg) + goat-anti-rabbit-FITC.

Please check the product details page for more images. Overall 4 images are available for ABIN7043723.

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