Datasheet for ABIN7043726

anti-SLC39A8 antibody (2nd Extracellular Loop)

5 Images

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Overview

Quantity:	50 µL
Target:	SLC39A8
Binding Specificity:	2nd Extracellular Loop, AA 221-234
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)KTYGQNDHTHFRND, corresponding to amino acid residues 221-234 of rat ZIP8
Isotype:	IgG
Characteristics:	Anti-ZIP8 (SLC39A8) (extracellular) Antibody (ABIN7043726, ABIN7045350 and ABIN7045351)) is a highly specific antibody directed against an epitope of the rat Zinc transporter ZIP8. The antibody can be used in western blot, immunohistochemistry, and indirect live cell flow cytometry. It has been designed to recognize ZIP8 from human, rat, and mouse samples.
Purification:	Affinity purified on immobilized antigen.

Target Details

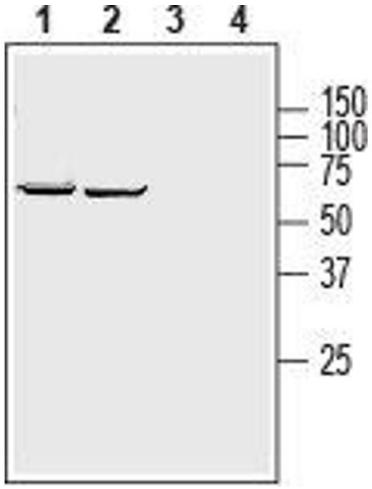
Target:	SLC39A8
Alternative Name:	ZIP8 (SLC39A8) (SLC39A8 Products)
Background:	Alternative names: ZIP8 (SLC39A8), Zinc transporter ZIP8, Zrt- and Irt-like protein 8, Solute carrier family 39 member 8, BIGM103
Gene ID:	295455
NCBI Accession:	NM_022154
UniProt:	Q5FVQ0

Application Details

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

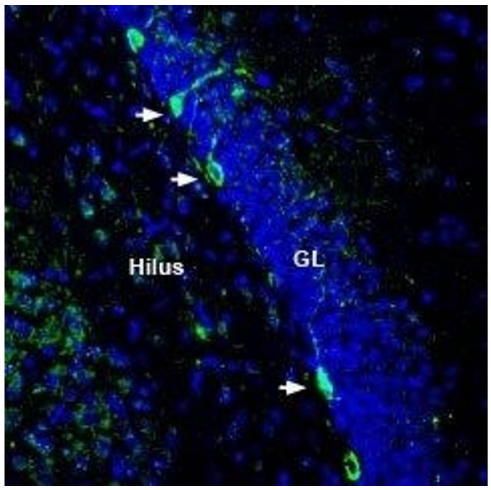
Handling

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).



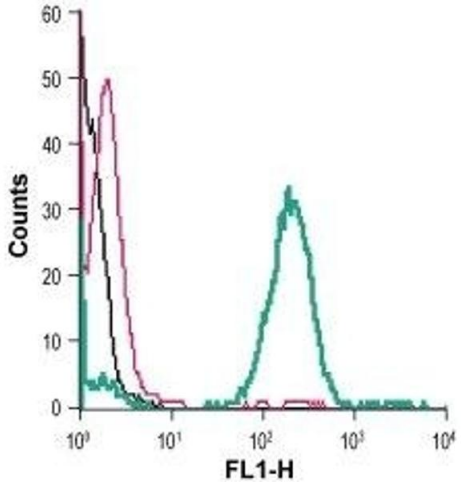
Western Blotting

Image 1. Western blot analysis of human Jurkat T-cell leukemia cell line (lanes 1 and 3) and human K562 chronic myelogenous leukemia cell line (lanes 2 and 4) lysates: - 1,2. Anti-ZIP8 (SLC39A8) (extracellular) Antibody (ABIN7043726, ABIN7045350 and ABIN7045351), (1:200).3,4. Anti-ZIP8 (SLC39A8) (extracellular) Antibody, preincubated with ZIP8/SLC39A8 (extracellular) Blocking Peptide (#BLP-ZT008).



Immunohistochemistry

Image 2. Expression of Zinc transporter ZIP8 in rat hippocampus - Immunohistochemical staining of perfusion-fixed frozen rat brain sections with Anti-ZIP8 (SLC39A8) (extracellular) Antibody (ABIN7043726, ABIN7045350 and ABIN7045351), (1:200), followed by goat-anti-rabbit-AlexaFluor-488. ZIP8 staining (green) appears in interneurons (arrows) adjacent to the granular layer (GL). Cell nuclei are stained with DAPI (blue).



Flow Cytometry

Image 3. Cell surface detection of Zinc transporter ZIP8 in live intact human THP-1 acute monocytic leukemia cells: (black line) Cells.(red line) Cells + goat-anti-rabbit-FITC.(green line) Cells + Anti-ZIP8 (SLC39A8) (extracellular) Antibody (ABIN7043726, ABIN7045350 and ABIN7045351), (2.5 µg) + goat-anti-rabbit-FITC.

Please check the product details page for more images. Overall 5 images are available for ABIN7043726.