

Datasheet for ABIN7043761

anti-SLC9A1 antibody (1st Extracellular Loop)

4 Images

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Overview

Quantity:	25 µL
Target:	SLC9A1
Binding Specificity:	1st Extracellular Loop, AA 54-67
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC), Flow Cytometry (FACS), Live Cell Imaging (LCI)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)RERSIGDVTAPSE, corresponding to amino acid residues 54-67 of rat NHE-1
Isotype:	IgG
Characteristics:	Anti-Na ⁺ /H ⁺ Exchanger 1 (NHE-1) Antibody (ABIN7043761, ABIN7044873 and ABIN7044874)) is a highly specific antibody directed against an epitope of the rat protein. The antibody can be used in western blot, immunohistochemistry, immunocytochemistry, live cell imaging, and indirect live cell flow cytometry applications. It has been designed to recognize NHE-1 from human, rat, and mouse samples.
Purification:	Affinity purified on immobilized antigen.

Target Details

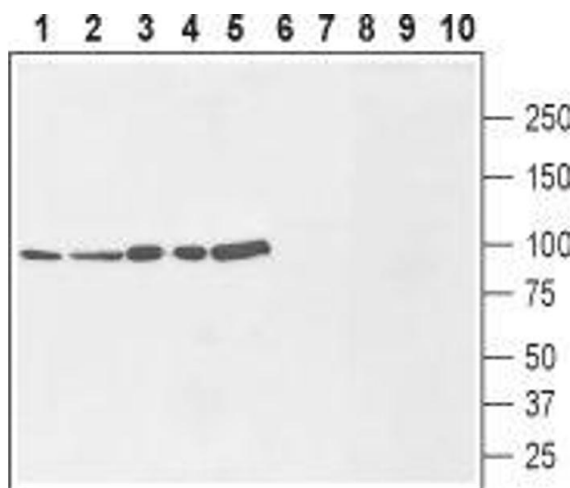
Target:	SLC9A1
Alternative Name:	Na ⁺ /H ⁺ Exchanger 1 (NHE-1) (SLC9A1 Products)
Background:	Alternative names: Na ⁺ /H ⁺ Exchanger 1 (NHE-1), Sodium/hydrogen exchanger 1, SLC9A1, APNH
Gene ID:	24782
NCBI Accession:	NM_003047
UniProt:	P26431
Pathways:	Glycosaminoglycan Metabolic Process , Proton Transport

Application Details

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

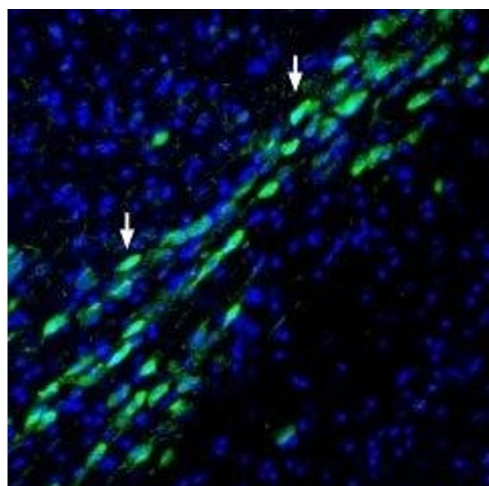
Handling

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:	<p>Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C.</p> <p>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).</p>



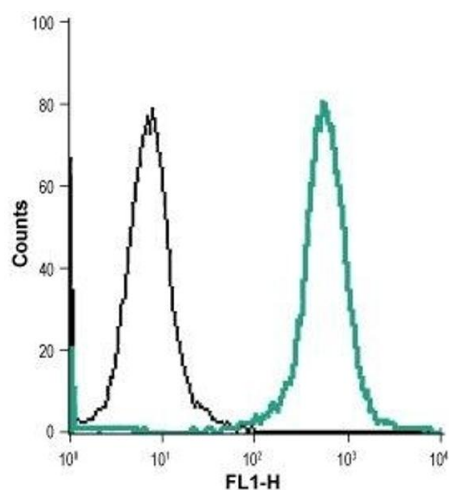
Western Blotting

Image 1. Western blot analysis of rat brain membranes (lanes 1 and 6), mouse brain lysate (lanes 2 and 7), human MCF-7 breast adenocarcinoma cells (lanes 3 and 8), human U-87 MG glioblastoma cells (lanes 4 and 9) and human THP-1 acute monocytic leukemia cells (lanes 5 and 10): - 1-5. Anti-Na⁺/H⁺ Exchanger 1 (NHE-1) (extracellular) Antibody (ABIN7043761, ABIN7044873 and ABIN7044874), (1:200). 6-10. Anti-Na⁺/H⁺ Exchanger 1 (NHE-1) (extracellular) Antibody, preincubated with Na⁺/H⁺ Exchanger 1/NHE-1 (extracellular) Blocking Peptide (#BLP-NX010).



Immunohistochemistry

Image 2. Expression of NHE1 in mouse substantia nigra pars compacta - Immunohistochemical staining of perfusion-fixed frozen mouse brain sections with Anti-Na⁺/H⁺ Exchanger 1 (NHE-1) (extracellular) Antibody (ABIN7043761, ABIN7044873 and ABIN7044874), (1:200), followed by goat-anti-rabbit-AlexaFluor-488. NHE1 immunoreactivity (green) appears in neuronal profiles (arrows). Cell nuclei are stained with DAPI (blue).



Flow Cytometry

Image 3. Cell surface detection of NHE1 in live intact THP-1 (human acute monocytic leukemia cells) cell line: (black line) Cells + goat anti-rabbit-DyLight-488. (green line) Cells + Anti-Na⁺/H⁺ Exchanger 1 (NHE-1) (extracellular) Antibody (ABIN7043761, ABIN7044873 and ABIN7044874), (1:20) + goat-anti-rabbit-DyLight-488.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7043761.