

Datasheet for ABIN7043756

anti-SLC8A3 antibody (3rd Intracellular Loop)**2** Images[Go to Product page](#)

Overview

Quantity:	25 µL
Target:	SLC8A3
Binding Specificity:	3rd Intracellular Loop, AA 303-315
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Application:	Immunohistochemistry (IHC), Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)PLEGKEVDESRRE, corresponding to amino acid residues 303-315 of rat NCX3
Isotype:	IgG
Characteristics:	Anti-NCX3 (SLC8A3) Antibody is directed against an epitope of the rat Na ⁺ /Ca ²⁺ exchange protein 3. Anti-NCX3 (SLC8A3) Antibody (ABIN7043756, ABIN7044879 and ABIN7044880)) can be used in western blot and immunohistochemistry applications. It has been designed to recognize NCX3 from human, rat and mouse samples.
Purification:	Affinity purified on immobilized antigen.

Target Details

Target:	SLC8A3
---------	--------

Target Details

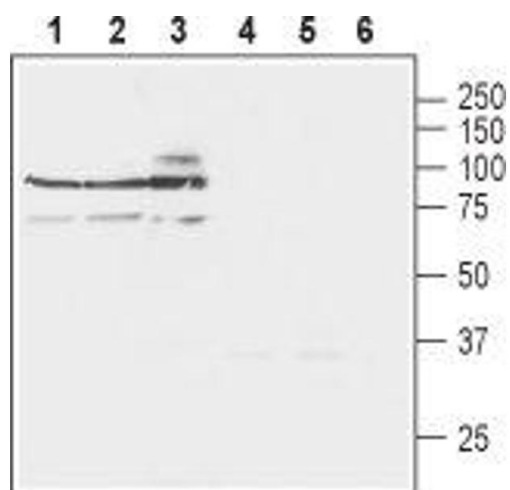
Alternative Name:	NCX3 (SLC8A3) (SLC8A3 Products)
Background:	Alternative names: NCX3 (SLC8A3), Na ⁺ /Ca ²⁺ exchange protein 3, Sodium/calcium exchanger 3
Gene ID:	140448
NCBI Accession:	NM_001130417
UniProt:	P70549

Application Details

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

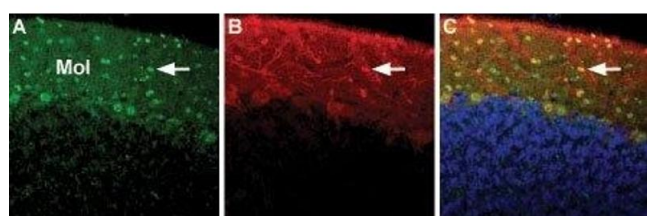
Handling

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 lysates (lanes 1 and 4), mouse brain lysates (lanes 2 and 5) and human SH-SY5Y neuroblastoma cell lysates (lanes 3 and 6): - 1-3. Anti-NCX3 (SLC8A3) Antibody (ABIN7043756, ABIN7044879 and ABIN7044880), (1:200). 4-6. Anti-NCX3 (SLC8A3) Antibody, preincubated with NCX3/SLC8A3 Blocking Peptide (#BLP-NX013).



Immunohistochemistry

Image 2. Expression of NCX3 in rat cerebellum - Immunohistochemical staining of immersion-fixed, free floating rat brain frozen sections using Anti-NCX3 (SLC8A3) Antibody (ABIN7043756, ABIN7044879 and ABIN7044880), (1:100). A. NCX3 staining (green) is expressed mostly in molecular layer (Mol) interneurons (arrow). B. The same section, stained with Parvalbumin (Red). C. Merge of A and B demonstrates that NCX3 appears to be expressed in several GABAergic neurons in the molecular layer of which Parvalbumin positive cells are only one sub-group (see arrow). DAPI counterstain (blue) displays the layout of cerebellar layers.