



Datasheet for ABIN7043717
anti-SLC30A10 antibody (C-Term, Intracellular)



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3 Images

Overview

Quantity:	0.2 mL
Target:	SLC30A10
Binding Specificity:	AA 361-374, C-Term, Intracellular
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SLC30A10 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)DASTKIREIFHHAG, corresponding to amino acid residues 361 - 374 of human ZnT10
Isotype:	IgG
Characteristics:	Anti-ZnT10 (SLC30A10) Antibody (ABIN7043717, ABIN7045358 and ABIN7045359)) is a highly specific antibody directed against an epitope of the human ZnT10. The antibody can be used in western blot and immunohistochemistry. It has been designed to recognize ZnT10 from human, mouse and rat samples.
Purification:	Affinity purified on immobilized antigen.

Target Details

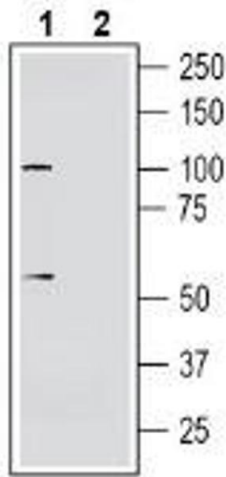
Target:	SLC30A10
Alternative Name:	ZnT10 (SLC30A10) (SLC30A10 Products)
Background:	Alternative names: Zinc Transporter 10, Manganese Transporter SLC30A10, Solute carrier family 30 member 10
Gene ID:	42346
NCBI Accession:	NM_018713
UniProt:	Q6XR72

Application Details

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

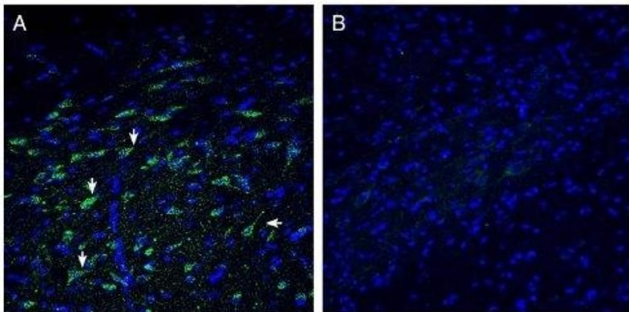
Handling

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).



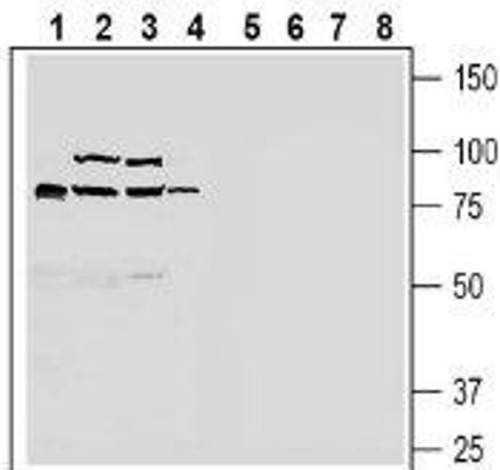
Western Blotting

Image 1. Western blot analysis of human SHSY-5Y neuroblastoma cell line lysate: - 1. Anti-ZnT10 (SLC30A10) Antibody (ABIN7043717, ABIN7045358 and ABIN7045359), (1:200). 2. Anti-ZnT10 (SLC30A10) Antibody, preincubated with ZnT10 (SLC30A10) Blocking Peptide (BLP-ZT020).



Immunohistochemistry

Image 2. Expression of ZnT10 in rat basal ganglia. - Immunohistochemical staining of perfusion-fixed frozen rat brain sections with Anti-ZnT10 (SLC30A10) Antibody (ABIN7043717, ABIN7045358 and ABIN7045359), (1:1200), followed by goat anti-rabbit-AlexaFluor-488. A. Staining in the rat substantia nigra region, shows ZnT10 immunoreactivity (green) in neuronal profiles (arrows). B. Pre-incubation of the antibody with ZnT10 (SLC30A10) Blocking Peptide (BLP-ZT020), suppressed staining. Cell nuclei are stained with DAPI (blue).



Western Blotting

Image 3. Western blot analysis of rat small intestine lysate (lanes 1 and 5), mouse liver lysate (lanes 2 and 6), rat liver lysate (lanes 3 and 7) and rat brain lysate (lanes 4 and 8): - 1-4. Anti-ZnT10 (SLC30A10) Antibody (ABIN7043717, ABIN7045358 and ABIN7045359), (1:200). 5-8. Anti-ZnT10 (SLC30A10) Antibody, preincubated with ZnT10 (SLC30A10) Blocking Peptide (BLP-ZT020).