

Datasheet for ABIN7043715

**anti-Slc30a3 antibody (2nd Cytoplasmic Loop)****3** Images[Go to Product page](#)

## Overview

Quantity:	25 µL
Target:	Slc30a3
Binding Specificity:	2nd Cytoplasmic Loop, AA 210-223
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Slc30a3 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Western Blotting (WB), Immunofluorescence (IF)

## Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)RGAEYAPLEEGHGH, corresponding to amino acid residues 210-223 of rat ZnT3
Isotype:	IgG
Characteristics:	Anti-ZnT3 (SLC30A3) Antibody is directed against an epitope of the rat zinc transporter 3. Anti-ZnT3 (SLC30A3) Antibody (ABIN7043715, ABIN7045356 and ABIN7045357)) can be used in western blot and immunohistochemistry applications. It has been designed to recognize ZnT3 from mouse, rat and human samples.
Purification:	Affinity purified on immobilized antigen.

## Target Details

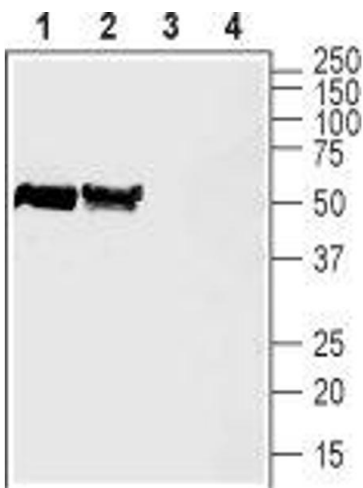
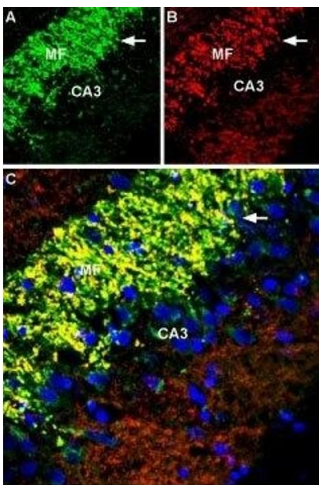
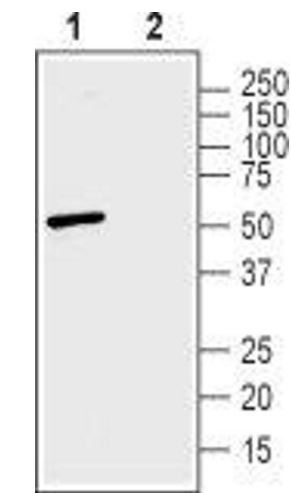
Target:	Slc30a3
Alternative Name:	ZnT3 (SLC30A3) ( <a href="#">Slc30a3 Products</a> )
Background:	Alternative names: ZnT3 (SLC30A3), Zinc transporter 3
Gene ID:	366568
NCBI Accession:	<a href="#">NM_001318949</a>
UniProt:	<a href="#">Q6QIX3</a>
Pathways:	<a href="#">Transition Metal Ion Homeostasis</a>

## 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 human SH-SY5Y neuroblastoma cell lysate: - 1. Anti-ZnT3 (SLC30A3) Antibody (ABIN7043715, ABIN7045356 and ABIN7045357), (1:200). 2. Anti-ZnT3 (SLC30A3) Antibody, preincubated with ZnT3/SLC30A3 Blocking Peptide (#BLP-ZT013).

### Immunohistochemistry

**Image 2.** Expression of Zinc transporter 3 in rat hippocampus - Immunohistochemical staining of immersion-fixed, free floating rat brain frozen sections using Anti-ZnT3 (SLC30A3) Antibody (ABIN7043715, ABIN7045356 and ABIN7045357), (1:600). A. ZnT3 (green) is expressed in the mossy fiber (MF) terminal field of the CA3 region rat hippocampal region. B. Synaptophysin staining (red) is detected in both the MF terminal field and the CA3 region. C. Merge of the two images reveals extensive co-localization (arrows) in the MF region. Cell nuclei are stained with DAPI (blue).

### Western Blotting

**Image 3.** Western blot analysis of rat (lanes 1 and 3) and mouse (lanes 2 and 4) brain lysates: - 1,2. Anti-ZnT3 (SLC30A3) Antibody (ABIN7043715, ABIN7045356 and ABIN7045357), (1:500). 3,4. Anti-ZnT3 (SLC30A3) Antibody, preincubated with ZnT3/SLC30A3 Blocking Peptide (#BLP-ZT013).