

Datasheet for ABIN7043729

anti-SLC40A1 antibody (2nd Cytoplasmic Loop)**3** Images[Go to Product page](#)

Overview

Quantity:	25 µL
Target:	SLC40A1
Binding Specificity:	2nd Cytoplasmic Loop, AA 261-275
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SLC40A1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Immunogen: Synthetic peptide
	Immunogen Sequence: (C)EGTHLMGVKDSNIHE, corresponding to amino acid residues 261-275 of human Ferroportin
Isotype:	IgG
Characteristics:	Anti-Ferroportin (SLC40A1) Antibody is directed against an epitope of human Ferroportin-1. Anti-Ferroportin (SLC40A1) Antibody (ABIN7043729, ABIN7044546 and ABIN7044547)) can be used in western blot and immunohistochemistry applications. It has been designed to recognize Ferroportin-1 from human, rat, and mouse samples.
Purification:	Affinity purified on immobilized antigen.

Target Details

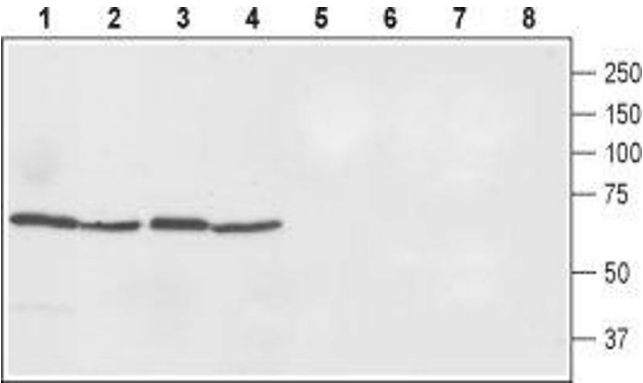
Target:	SLC40A1
Alternative Name:	Ferroportin (SLC40A1) (SLC40A1 Products)
Background:	Alternative names: Ferroportin (SLC40A1), Ferroportin-1, FPN1, Iron-regulated transporter 1, IREG1, Metal transporter protein, MTP1, SLC11A3, HFE4
Gene ID:	30061
NCBI Accession:	NM_014585
UniProt:	Q9NP59
Pathways:	Transition Metal Ion Homeostasis

Application Details

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

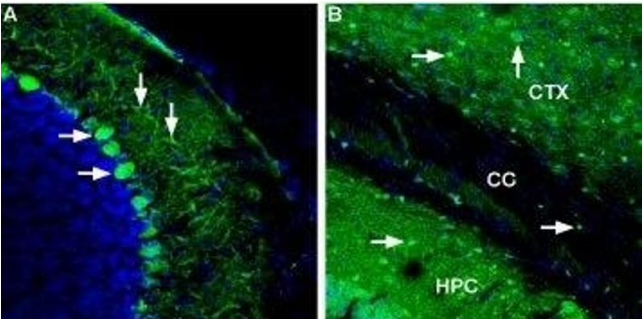
Handling

Format:	Lyophilized
Reconstitution:	25 µL, 50 µL or 0.2 mL double distilled water (DDW), depending on the sample size.
Concentration:	0.85 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>



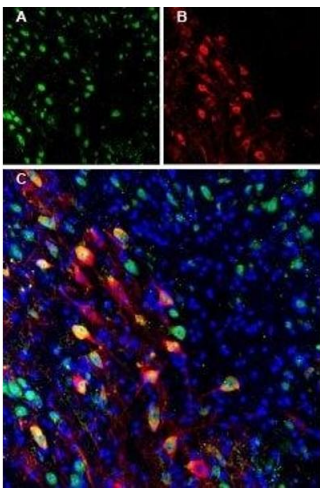
Western Blotting

Image 1. Western blot analysis of rat spleen (lanes 1 and 5), rat small intestine (lanes 2 and 6), rat liver (lanes 3 and 7) and mouse liver (lanes 4 and 8) lysates. - 1-4. Anti-Ferroportin (SLC40A1) Antibody (ABIN7043729, ABIN7044546 and ABIN7044547), (1:500). 5-8. Anti-Ferroportin (SLC40A1) Antibody, preincubated with Ferroportin/SLC40A1 Blocking Peptide (#BLP-IT001).



Immunohistochemistry

Image 2. Expression of Ferroportin in mouse brain - Immunohistochemical staining of mouse cerebellum and forebrain using Anti-Ferroportin (SLC40A1) Antibody (ABIN7043729, ABIN7044546 and ABIN7044547). A. In the cerebellum, Ferroportin staining (green) appears in cerebellar purkinje cells (horizontal arrows) and their dendrites (vertical arrows). B. In the forebrain, intense Ferroportin staining appears (green) in oligodendrocytes (horizontal arrows) and moderate staining is detected in neurons (vertical arrow). In both panels (A and B) DAPI is used as the counterstain.



Immunohistochemistry

Image 3. Expression of Ferroportin in mouse brain - Immunohistochemical staining of perfusion-fixed frozen mouse substantia nigra pars compacta (SNC) sections using Anti-Ferroportin (SLC40A1) Antibody (ABIN7043729, ABIN7044546 and ABIN7044547). A. Ferroportin staining (green) appears in several cells in the SNC. B. Tyrosine hydroxylase (red) stains dopaminergic neurons. C. Merge of A and B demonstrates Ferroportin in dopaminergic and non-dopaminergic neurons. Cell nuclei are stained using DAPI (blue).