

Datasheet for ABIN7043416

anti-SLC22A3 antibody (1st Extracellular Loop)



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2 Images

Overview

Quantity:	50 µL
Target:	SLC22A3 (OCT3)
Binding Specificity:	1st Extracellular Loop, AA 83-96
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SLC22A3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)ERRGQGH(S)HRYLLE, corresponding to amino acid residues 83-96 of rat OCT3
Isotype:	IgG
Cross-Reactivity (Details):	Not recommended for human samples.
Characteristics:	Anti-SLC22A3 (extracellular) Antibody (ABIN7043416, ABIN7044223 and ABIN7044224) is a highly specific antibody directed against an epitope of the rat protein. The antibody can be used in western blot and immunohistochemistry applications. It has been designed to recognize Organic cation transporter 3 from rat and mouse samples. The antibody is unlikely to recognize the protein from human samples.
Purification:	Affinity purified on immobilized antigen.

Target Details

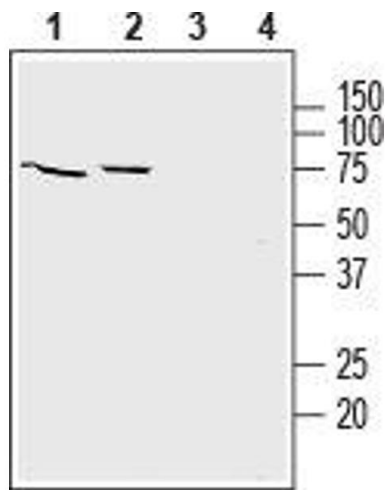
Target:	SLC22A3 (OCT3)
Alternative Name:	SLC22A3 (OCT3 Products)
Background:	Alternative names: SLC22A3, OCT3, Organic cation transporter 3
Gene ID:	29504
NCBI Accession:	NM_021977
UniProt:	O88446

Application Details

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

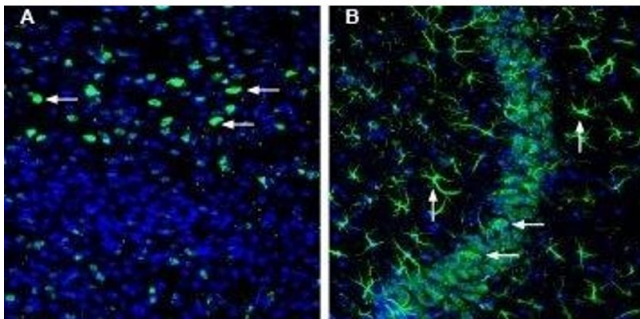
Handling

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 mouse brain lysate (lanes 1 and 3) and rat brain lysate (lanes 2 and 4): - 1,2. Anti-SLC22A3 (extracellular) Antibody (ABIN7043416, ABIN7044223 and ABIN7044224), (1:200).3,4. Anti-SLC22A3 (extracellular) Antibody, preincubated with SLC22A3 (extracellular) Blocking Peptide (#BLP-CT013).



Immunohistochemistry

Image 2. Expression of OCT3 (SLC22A3) in mouse cortex and hippocampus - Immunohistochemical staining of perfusion-fixed frozen mouse brain sections with Anti-SLC22A3 (extracellular) Antibody (ABIN7043416, ABIN7044223 and ABIN7044224), (1:200), followed by goat anti-rabbit-AlexaFluor-488. A. OCT3 staining (green) in mouse cortex is detected in neurons (arrows). B. In mouse hippocampus, OCT3 immunoreactivity (green) is observed in astrocytes (vertical arrows) and neurons (horizontal arrows). Cell nuclei are stained with DAPI (blue).