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anti-SLC22A4 antibody (C-Term, Intracellular)





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Quantity:	0.2 mL
Target:	SLC22A4
Binding Specificity:	AA 522-536, C-Term, Intracellular
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SLC22A4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)
Product Details	
Immunogen:	Immunogen: Synthetic peptide
	Immunogen Sequence: (C)EQMQKVRGFR(S)GKKS, corresponding to amino acid residues 522 -
	536 of mouse OCTN1
Isotype:	IgG
Characteristics:	Anti-OCTN1/SLC22A4 Antibody (ABIN7043704, ABIN7044225 and ABIN7044226)) is a highly
	specific antibody directed against an epitope of the mouse protein. The antibody can be used in
	western blot and immunohistochemistry applications. It has been designed to recognize
	OCTN1 from mouse, rat and human samples.
Purification:	Affinity purified on immobilized antigen.

Target Details

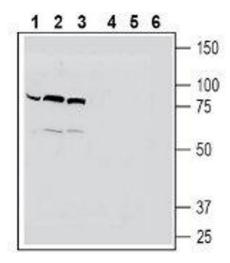
Target:	SLC22A4
Alternative Name:	OCTN1/SLC22A4 (SLC22A4 Products)
Background:	Alternative names: Organic Cation/Carnitine Transporter 1, Ergothioneine Transporter, Solute Carrier Family 22 Member 4
Gene ID:	42656
NCBI Accession:	NM_003059
UniProt:	Q9H015

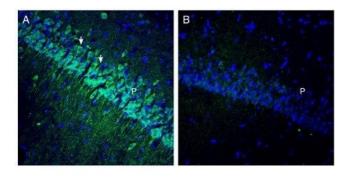
Application Details

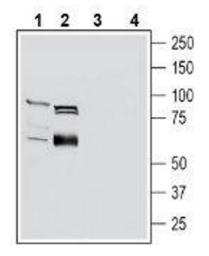
Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	$25~\mu\text{L},50~\mu\text{L}$ 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 THP-1 monocytic leukemia cell line lysates (lanes 1 and 4), mouse BV-2 microglia cell line lysates (lanes 2 and 5) and human HeLa cervix adenocarcinoma cell line lysates (lanes 3 and 6): - 1-3. Anti-OCTN1/SLC22A4 Antibody (ABIN7043704, ABIN7044225 and ABIN7044226), (1:400). 4-6. Anti-OCTN1/SLC22A4 Antibody, preincubated with OCTN1/SLC22A4 Antibody Blocking Peptide (BLP-CT014).

Immunohistochemistry

Image 2. Expression of OCTN1 in rat hippocampus. - Immunohistochemical staining of perfusion-fixed frozen mouse brain sections with Anti-OCTN1/SLC22A4 Antibody (ABIN7043704, ABIN7044225 and ABIN7044226), (1:1200), followed by goat anti-rabbit-AlexaFluor-488. A. OCTN1 immunoreactivity (green) appears in neuronal profiles in the pyramidal layer (P, arrows). B. Pre-incubation of the antibody with OCTN1/SLC22A4 Antibody Blocking Peptide (BLP-CT014), suppressed staining. Cell nuclei are stained with DAPI (blue).

Western Blotting

Image 3. Western blot analysis of mouse kidney lysates (lanes 1 and 3) and rat small intestine lysates (lanes 2 and 4): - 1-2. Anti-OCTN1/SLC22A4 Antibody (ABIN7043704, ABIN7044225 and ABIN7044226), (1:200). 3-4. Anti-OCTN1/SLC22A4 Antibody, preincubated with OCTN1/SLC22A4 Antibody Blocking Peptide (BLP-CT014).

Please check the product details page for more images. Overall 4 images are available for ABIN7043704.