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Datasheet for ABIN7043668 anti-SLC1A5 antibody (C-Term, Intracellular)



2

Images

Overview	
Quantity:	50 µL
Target:	SLC1A5
Binding Specificity:	AA 502-516, C-Term, Intracellular
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SLC1A5 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)
Product Details	
Immunogen:	Immunogen: Synthetic peptide
	Immunogen Sequence: (C)KMPSSEPELIQVKNE, corresponding to amino acid residues 502-516

	of mouse SLC1A5
Isotype:	lgG
Cross-Reactivity (Details):	Will not recognize ASCT2 from human samples.
Characteristics:	Anti-ASCT2 (SLC1A5) Antibody (ABIN7043668, ABIN7044823 and ABIN7044824)) is a highly selective antibody directed against an epitope of the mouse protein. The antibody can be used in western blot and immunohistochemistry analysis. It has been designed to recognize SLC1A5 from mouse and rat samples. It will not recognize human ASCT2.
Durification	Affinity purified on immobilized ontigon

Purification: Affinity purified on immobilized antigen.

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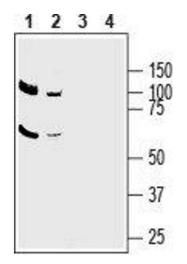
Target Details	
Target:	SLC1A5
Alternative Name:	ASCT2 (SLC1A5) (SLC1A5 Products)
Background:	Alternative names: ASCT2 (SLC1A5), Alanine/serine/cysteine transporter 2, Neutral amino acid transporter B(0), ATB(0), ATBO, Sodium-dependent neutral amino acid transporter type 2, AAAT
Gene ID:	20514
NCBI Accession:	NM_001145144
UniProt:	P51912
Pathways:	Dicarboxylic Acid Transport, Warburg Effect
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.

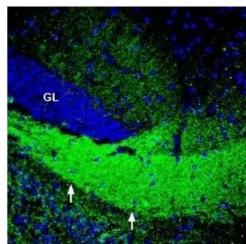
Storage:	RT,4 °C,-20 °C
Storage Comment:	Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature.
	Upon arrival, it should be stored at -20°C.
	Storage after reconstitution: The reconstituted solution can be stored at 4°C for up to 1 week.
	For longer periods, small eliquets should be stared at 20°C. Avoid multiple freezing and

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).

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Western Blotting

Image 1. Western blot analysis of mouse brain lysate (lanes 1 and 3) and rat brain membranes (lanes 2 and 4): - 1,2. Anti-ASCT2 (SLC1A5) Antibody (ABIN7043668, ABIN7044823 and ABIN7044824), (1:200).3,4. Anti-ASCT2 (SLC1A5) Antibody, preincubated with ASCT2/SLC1A5 Blocking Peptide (#BLP-NT082).

Immunohistochemistry

Image 2. Expression of ASCT2 in mouse hippocampus -Immunohistochemical staining of perfusion-fixed frozen mouse brain sections with Anti-ASCT2 (SLC1A5) Antibody (ABIN7043668, ABIN7044823 and ABIN7044824), (1:200), followed by goat-anti-rabbit-AlexaFluor-488. ASCT2 staining appears in a layer (arrows) adjacent to the dentate granule layer (GL). Cell nuclei are stained with DAPI (blue).

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