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anti-SLC7A5 antibody (3rd Intracellular Loop)

2 Images



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Quantity:	50 μL
Target:	SLC7A5
Binding Specificity:	3rd Intracellular Loop, AA 222-235
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB)
Product Details	
Immunogen:	Immunogen: Synthetic peptide
Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)KDIGQGDASNLHQK, corresponding to amino acid residues 222-235
Immunogen:	
Immunogen: Isotype:	Immunogen Sequence: (C)KDIGQGDASNLHQK, corresponding to amino acid residues 222-235
	Immunogen Sequence: (C)KDIGQGDASNLHQK, corresponding to amino acid residues 222-235 of rat LAT1
Isotype:	Immunogen Sequence: (C)KDIGQGDASNLHQK, corresponding to amino acid residues 222-235 of rat LAT1 IgG
Isotype: Cross-Reactivity (Details):	Immunogen Sequence: (C)KDIGQGDASNLHQK, corresponding to amino acid residues 222-235 of rat LAT1 IgG Not recommended for use with human samples.
Isotype: Cross-Reactivity (Details):	Immunogen Sequence: (C)KDIGQGDASNLHQK, corresponding to amino acid residues 222-235 of rat LAT1 IgG Not recommended for use with human samples. Anti-LAT1 (SLC7A5) Antibody (ABIN7043750, ABIN7044833 and ABIN7044834)) is a highly
Isotype: Cross-Reactivity (Details):	Immunogen Sequence: (C)KDIGQGDASNLHQK, corresponding to amino acid residues 222-235 of rat LAT1 IgG Not recommended for use with human samples. Anti-LAT1 (SLC7A5) Antibody (ABIN7043750, ABIN7044833 and ABIN7044834)) is a highly specific antibody directed against an epitope of the rat protein. The antibody can be used in

Target Details

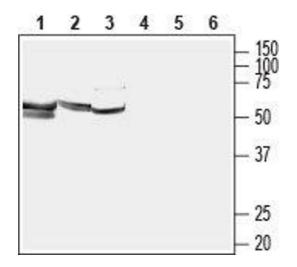
Target:	SLC7A5
Alternative Name:	LAT1 (SLC7A5) (SLC7A5 Products)
Background:	Alternative names: LAT1 (SLC7A5), CD98, Large neutral amino acids transporter small subunit 1, L-type amino acid transporter 1, 4F2 light chain, 4F2LC, Integral membrane protein E16, MPE16, Solute carrier family 7 member 5, TA1, Tumor-associated protein 1
Gene ID:	50719
NCBI Accession:	NM_003486
UniProt:	Q63016

Application Details

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

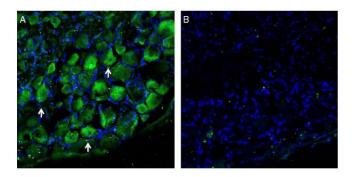
Handling

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 rat placenta lysate (lanes 1 and 4), mouse testes lysate (lanes 2 and 5) and rat skeletal muscle membrane (lanes 3 and 6): - 1-3. Anti-LAT1 (SLC7A5) Antibody (ABIN7043750, ABIN7044833 and ABIN7044834), (1:200).4-6. Anti-LAT1 (SLC7A5) Antibody, preincubated with LAT1/SLC7A5 Blocking Peptide (#BLPNT105).



Immunohistochemistry

Image 2. Expression of LAT1/SLC7A5 in rat dorsal root ganglion. - Immunohistochemical staining of perfusion-fixed frozen rat dorsal root ganglion (DRG) sections with Anti-LAT1 (SLC7A5) Antibody (ABIN7043750, ABIN7044833 and ABIN7044834), (1:200), followed by goat anti-rabbit-AlexaFluor-488.

A. LAT1 immunoreactivity (green) appeared in neuron profiles (arrows). B. Pre-incubation of the antibody with LAT1 (SLC7A5) Blocking Peptide (#BLP-NT105), suppressed staining. Cell nuclei are stained with DAPI (blue).