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Datasheet for ABIN5690248

anti-SLC1A7 antibody (AA 460-510)

Overview

Quantity:	0.1 mg
Target:	SLC1A7
Binding Specificity:	AA 460-510
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Application:	ELISA, Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	SLC1A7 antibody was raised against a 14 amino acid peptide near the carboxy terminus of human SLC1A7. The immunogen is located within amino acids 460 - 510 of SLC1A7.
Isotype:	IgG
Specificity:	SLC1A7 antibody is human and mouse reactive. Multiple isoforms of SLC1A7 are known to exist.
Purification:	SLC1A7 antibody is affinity chromatography purified via peptide column.

Target Details

Target:	SLC1A7
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Target Details

Alternative Name:	SLC1A7 (SLC1A7 Products)
Background:	The solute carrier family 1 member 7 (SLC1A7) protein was initially identified as a glutamate transporter coupled to a chloride conductance that is expressed primarily in the retina (1). More recent evidence indicates that it is widely expressed in peripheral tissues, also (2). Experiments have shown that SLC1A7 functions as a low-affinity/low-capacity glutamate transport, with an anion channel optimized for anion conductance in the negative voltage range (3). In the retina, SLC1A7 co-localizes with the serum and glucocorticoid dependent kinase SGK1, and its cell surface expression and activity is regulated SGK1 and its isoform SGK3 (4).
Molecular Weight:	Predicted: 17, 52, 62, 68 kDa Observed: 52 kDa
Gene ID:	6512
NCBI Accession:	NP_001274524
UniProt:	O00341
Pathways:	Dicarboxylic Acid Transport

Application Details

Application Notes:	SLC1A7 antibody can be used for detection of SLC1A7 by Western blot at 1 - 2 µg/mL. Antibody can also be used for immunohistochemistry starting at 5 µg/mL. For immunofluorescence start at 20 µg/mL.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	SLC1A7 antibody is supplied in PBS containing 0.02 % 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:	4 °C, -20 °C

Handling

Storage Comment: SLC1A7 antibody can be stored at 4°C for three months and -20°C, stable for up to one year.