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## Datasheet for ABIN6992100 **anti-SLC1A7 antibody (C-Term)**

### Overview

Quantity:	0.1 mg
Target:	SLC1A7
Binding Specificity:	AA 460-510, C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SLC1A7 antibody is un-conjugated
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
Alternative Name:	SLC1A7 ( <a href="#">SLC1A7 Products</a> )

## Target Details

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:	<a href="#">NP_001274524</a>
UniProt:	<a href="#">O00341</a>
Pathways:	<a href="#">Dicarboxylic Acid Transport</a>

## 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.  Antibody validated: Western Blot in mouse samples, Immunohistochemistry in mouse samples and Immunofluorescence in mouse samples. All other applications and species not yet tested.
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.

## Handling

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Storage: -20 °C, 4 °C

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