Rabbit anti-Human, Mouse SLC1A7 Polyclonal Antibody | anti-SLC1A7 antibody

SLC1A7 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA40545	**Rabbit**	**Human, Mouse**	**Immunofluorescence, Immunohistochemistry, Western Blot, ELISA**

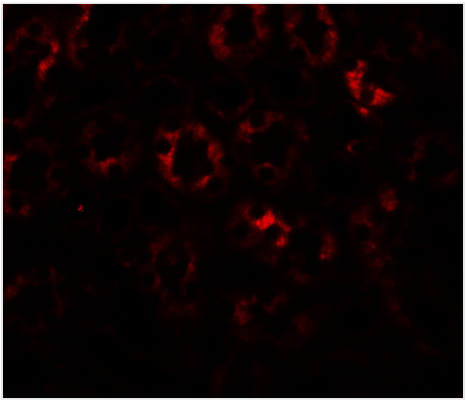
PRODUCT SYNONYMS

SLC1A7; Polyclonal Antibody; SLC1A7 Antibody; Solute carrier family 1 (glutamate transporter) member 7; AAAT; excitatory amino acid transporter 5; EAAT5; solute carrier family 1 (glutamate transporter); member 7; anti-SLC1A7 antibody

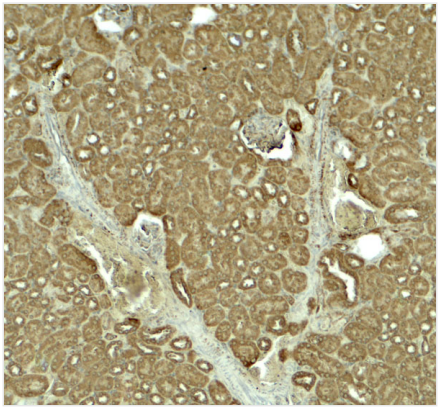
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	SLC1A7 antibody is human and mouse reactive. Multiple isoforms of SLC1A7 are known to exist.
Purity/Purification	SLC1A7 antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	619
Applicable Applications for anti-SLC1A7 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	SLC1A7 antibody was raised against a 14 amino acid peptide near the carboxy terminus of human SLC1A7.
Buffer	SLC1A7 antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	SLC1A7 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year.

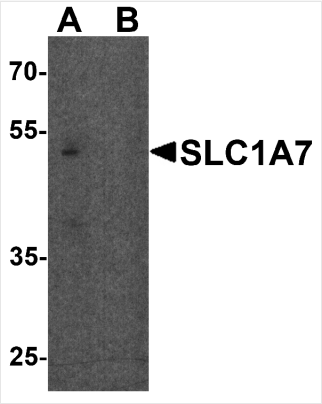
IMAGES



IF (Immunofluorescence)
Immunofluorescence of SLC1A7 in mouse kidney tissue with SLC1A7 antibody at 20 μg/ml.



IHC (Immunohiostchemistry)
Immunohistochemistry of SLC1A7 in mouse kidney tissue with SLC1A7 antibody at 5 μg/ml.



WB (Western Blot)
Western blot analysis of SLC1A7 in C2C12 cell lysate with SLC1A7 antibody at 1 μg/ml in (A) the absence and (B) the presence of blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-SLC1A7 antibody	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 is it 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).

NCBI AND UNIPROT INFORMATION

NCBI GI #	567316146
NCBI GeneID	6512
NCBI Accession #	NP_001274524
NCBI GenBank Nucleotide #	NM_001287595.1
UniProt Accession #	O00341; Q5VVZ0; Q969Z8; Q9BW45
Molecular Weight	Predicted: 17; 52; 62; 68 kDa Observed: 52 kDa
NCBI Official Full Name	excitatory amino acid transporter 5 isoform 1

NCBI Official Synonym Full Names	solute carrier family 1 (glutamate transporter), member 7
NCBI Official Symbol	SLC1A7
NCBI Official Synonym Symbols	AAAT; EAAT5
NCBI Protein Information	excitatory amino acid transporter 5; retinal glutamate transporter; excitatory amino acid transporter 5 (retinal glutamate transporter)
UniProt Protein Name	Excitatory amino acid transporter 5
UniProt Gene Name	**SLC1A7**
UniProt Synonym Gene Names	EAAT5
UniProt Entry Name	EAA5_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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