

Rabbit SLC1A1 Polyclonal Antibody | anti-SLC1A1 antibody

SLC1A1 Rabbit Polyclonal Antibody

CATALOG # AAA313822	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunofluorescence, Western Blot
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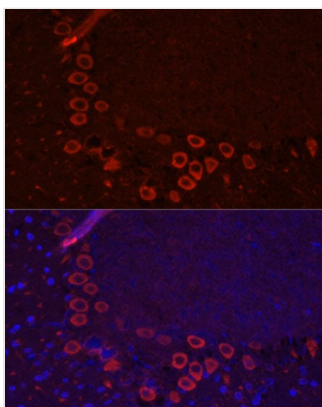
PRODUCT SYNONYMS

SLC1A1; Polyclonal Antibody; SLC1A1 Rabbit Polyclonal Antibody; DCBXA; EAAC1; EAAT3; SCZD18; anti-SLC1A1 antibody

PRODUCT SPECIFICATIONS

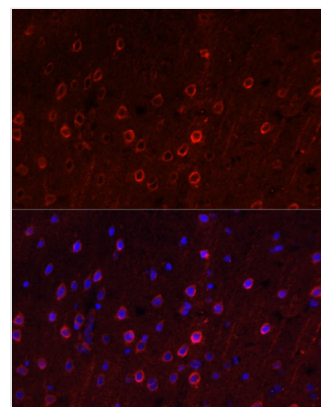
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Applicable Applications for anti-SLC1A1 antibody	IF (Immunofluorescence), WB (Western Blot)
Immunogen	Recombinant fusion protein of human SLC1A1 (NP_004161.4).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



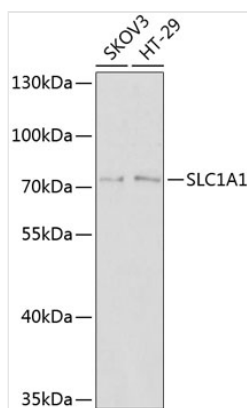
IF (Immunofluorescence)

Immunofluorescence analysis of mouse brain using SLC1A1 at dilution of 1:100. Blue: DAPI for nuclear staining.



IF (Immunofluorescence)

Immunofluorescence analysis of rat brain using SLC1A1 at dilution of 1:100. Blue: DAPI for nuclear staining.



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using SLC1A1 at 1:1000 dilution.

ADDITIONAL INFORMATION

Related Product Information for anti-SLC1A1 antibody	This gene encodes a member of the high-affinity glutamate transporters that play an essential role in transporting glutamate across plasma membranes. In brain, these transporters are crucial in terminating the postsynaptic action of the neurotransmitter glutamate, and in maintaining extracellular glutamate concentrations below neurotoxic levels. This transporter also transports aspartate, and mutations in this gene are thought to cause dicarboxylic amino aciduria, also known as glutamate-aspartate transport defect.
Product Categories/Family for anti-SLC1A1 antibody	Primary Antibody

NCBI AND UNIPROT INFORMATION

NCBI GI #	66773030
NCBI GeneID	6505
NCBI Accession #	NP_004161.4
NCBI GenBank Nucleotide #	NM_004170.5
UniProt Accession #	P43005 ; O75587 ; Q5VZ24 ; Q8N199 ; Q9UEW2
Molecular Weight	524
NCBI Official Full Name	excitatory amino acid transporter 3
NCBI Official Synonym Full Names	solute carrier family 1 (neuronal/epithelial high affinity glutamate transporter, system Xag), member 1
NCBI Official Symbol	SLC1A1
NCBI Official Synonym Symbols	EAAC1; EAAT3; SCZD18
NCBI Protein Information	excitatory amino acid transporter 3; excitatory amino acid carrier 1; solute carrier family 1 member 1; neuronal and epithelial glutamate transporter; sodium-dependent glutamate/aspartate transporter 3
UniProt Protein Name	Excitatory amino acid transporter 3
UniProt Gene Name	SLC1A1
UniProt Synonym Gene Names	EAAC1; EAAT3
UniProt Entry Name	EAA3_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.