

Rabbit anti-Human SLC1A3 Polyclonal Antibody | anti-SLC1A3 antibody

SLC1A3 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA243774	Rabbit	Human	Immunofluorescence, Immunohistochemistry, ELISA

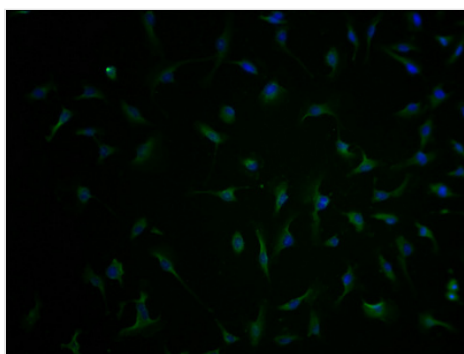
PRODUCT SYNONYMS

SLC1A3; Polyclonal Antibody; SLC1A3 Antibody; Excitatory amino acid transporter 1 (Sodium-dependent glutamate/aspartate transporter 1) (GLAST-1) (Solute carrier family 1 member 3); EAAT1 GLAST GLAST1; anti-SLC1A3 antibody

PRODUCT SPECIFICATIONS

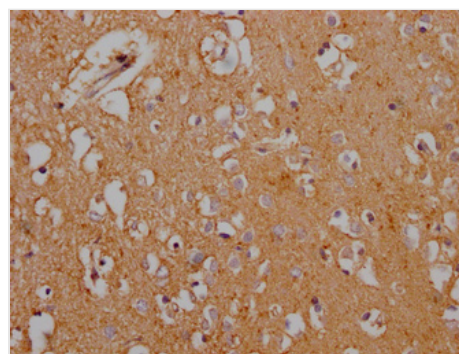
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH7.4
Applicable Applications for anti-SLC1A3 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA
Conjugation	Non-conjugated
Immunogen	Recombinant Human Excitatory amino acid transporter 1 protein (146-236AA)
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



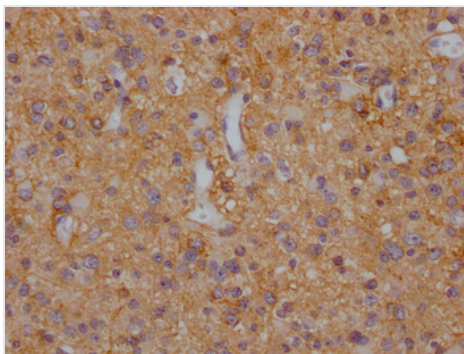
IF (Immunofluorescence)

Immunofluorescence staining of U251 cells at 1:100, counter-stained with DAPI. The cells were fixed in 4% formaldehyde and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4 degree C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



IHC (Immunohistochemistry)

IHC image diluted at 1:200 and staining in paraffin-embedded human brain tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a Goat anti-rabbit polymer IgG labeled by HRP and visualized using 0.05% DAB.



IHC (Immunohistochemistry)

IHC image diluted at 1:200 and staining in paraffin-embedded human glioma cancer performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a Goat anti-rabbit polymer IgG labeled by HRP and visualized using 0.05% DAB.

ADDITIONAL INFORMATION

Related Product Information for anti-SLC1A3 antibody	Sodium-dependent, high-affinity amino acid transporter that mediates the uptake of L-glutamate and also L-aspartate and D-aspartate (PubMed:7521911, PubMed:8123008, PubMed:20477940, PubMed:26690923, PubMed:28032905, PubMed:28424515). Functions as a symporter that transports one amino acid molecule together with two or three Na(+) ions and one proton, in parallel with the counter-transport of one K(+) ion (PubMed:20477940). Mediates Cl(-) flux that is not coupled to amino acid transport; this avoids the accumulation of negative charges due to aspartate and Na(+) symport (PubMed:20477940). Plays a redundant role in the rapid removal of released glutamate from the synaptic cleft, which is essential for terminating the postsynaptic action of glutamate (By similarity).
Product Categories/Family for anti-SLC1A3 antibody	Others

NCBI AND UNIPROT INFORMATION

NCBI GI #	584277111
NCBI GeneID	6507
NCBI Accession #	NP_001276868.1
NCBI GenBank Nucleotide #	NM_001289939.1
UniProt Accession #	P43003; Q4JQC8; B2R5T3
Molecular Weight	59,572 Da
NCBI Official Full Name	excitatory amino acid transporter 1 isoform 4
NCBI Official Synonym Full Names	solute carrier family 1 (glial high affinity glutamate transporter), member 3
NCBI Official Symbol	SLC1A3
NCBI Official Synonym Symbols	EA6; EAAT1; GLAST; GLAST1
NCBI Protein Information	excitatory amino acid transporter 1; GLAST-1; solute carrier family 1 member 3; sodium-dependent glutamate/aspartate transporter 1
UniProt Protein Name	Excitatory amino acid transporter 1
UniProt Gene Name	SLC1A3
UniProt Synonym Gene Names	EAAT1; GLAST; GLAST1; GLAST-1
UniProt Entry Name	EAA1_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/slc1a3-antibody-immunofluorescence-immunohistochemistry-elisa/243774>