

Rabbit EAAT1/SLC1A3 Polyclonal Antibody | anti-SLC1A3 antibody

Anti-EAAT1/SLC1A3 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA125442	Rabbit	Human, Mouse, Rat	ELISA, Flow Cytometry, Functional Assay, Western Blot

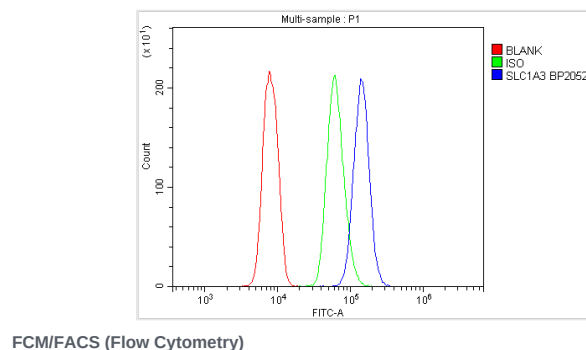
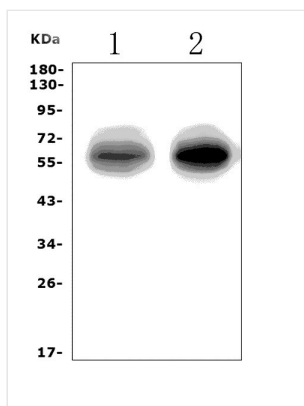
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	No cross reactivity with other proteins.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Sequence Length	496
Applicable Applications for anti-SLC1A3 antibody	ELISA (Direct ELISA), FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	E Coli-derived human EAAT1/SLC1A3 recombinant protein (Position: Q34-D506).
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen store at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



WB (Western Blot)

Figure 1. Western blot analysis of SLC1A3 using anti-SLC1A3 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-SLC1A3 antibody	Description: Rabbit IgG polyclonal antibody for EAAT1/SLC1A3 detection. Tested with WB, FCM, Direct ELISA in Human; Mouse; Rat. Background: Excitatory amino acid transporter 1 (EAAT1) is a protein that, in humans, is encoded by the SLC1A3 gene. It is mapped to 5p13.2. This gene encodes a member of a member of a high affinity glutamate transporter family. This gene functions in the termination of excitatory neurotransmission in central nervous system. Mutations are associated with episodic ataxia, Type 6. Alternative splicing results in multiple transcript variants.
References	1. Canul-Tec, J. C., Assal, R., Cirri, E., Legrand, P., Brier, S., Chamot-Rooke, J., Reyes, N. Structure and allosteric inhibition of excitatory amino acid transporter 1. Nature 544: 446-451, 2017. 2. de Vries, B., Mamsa, H., Stam, A. H., Wan, J., Bakker, S. L. M., Vanmolkot, K. R. J., Haan, J., Terwindt, G. M., Boon, E. M. J., Howard, B. D., Frants, R. R., Baloh, R. W., Ferrari, M. D., Jen, J. C., van den Maagdenberg, A. M. J. M. Episodic ataxia associated with EAAT1 mutation C186S affecting glutamate reuptake. Arch. Neurol. 66: 97-101, 2009. Note: Erratum: Arch. Neurol. 66: 497 only, 2009; Erratum: Arch. Neurol. 66: 772 only, 2009. 3. Hagiwara, T., Tanaka, K., Takai, S., Maeno-Hikichi, Y., Mukainaka, Y., Wada, K. Genomic organization, promoter analysis, and chromosomal localization of the gene for the mouse glial high-affinity glutamate transporter Slc1a3. Genomics 33: 508-515, 1996.

NCBI AND UNIPROT INFORMATION

NCBI GI #	584277111
NCBI GeneID	6507
NCBI Accession #	NP_001276868.1
NCBI GenBank Nucleotide #	NP_001276868.1
UniProt Accession #	P43003
NCBI Official Full Name	excitatory amino acid transporter 1 isoform 4
NCBI Official Synonym Full Names	solute carrier family 1 member 3
NCBI Official Symbol	SLC1A3
NCBI Official Synonym Symbols	EA6; EAAT1; GLAST; GLAST1
NCBI Protein Information	excitatory amino acid 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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/eaat1-slc1a3-antibody-direct-elisa-flow-cytometry-western-blot-elisa/125442>