

EAAT1 positive control

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CATALOG #
AAA75952

APPLICATIONS
Western Blot

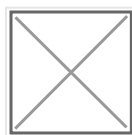
PRODUCT SYNONYMS

EAAT1; EAAT1 Positive Control; EA6; Excitatory amino acid transporter 1; FLJ25094; GLAST; Glial high affinity glutamate transporter; glutamate/aspartate transporter; high affinity; sodium-dependent; High affinity neuronal glutamate transporter; Slc1a3; Sodium dependent glutamate/aspartate transporter; Solute carrier family 1 member 3 antibody; EAAT1 positive control

PRODUCT SPECIFICATIONS

Form/Format	Prepared in SDS-sample buffer
Concentration	Empirically set for optimal signal-to-noise ratio (varies by lot)
Sequence Length	543
Applicable Applications for EAAT1 positive control	WB (Western Blot)
Immunogen	Purified Protein
Expression	Purkinje cell layer in cerebellum, lung, spleen, skeletal muscle and testis.
Molecular Function	High-affinity glutamate transmembrane transporter activity;sodium:dicarboxylate symporter activity
Structure	Belongs to the sodium:dicarboxylate (SDF) symporter (TC 2.A.23) family. SLC1A3 subfamily has a Transmembrane helix.
Subcellular Location	Plasma membrane; Cell surface; Fibril; Neuronal cell body
Preparation and Storage	Store at -20• degree C for long term storage

IMAGES



WB (Western Blot)

WB of with AAA75952 1:500 antibody dilution in DiliObuffer. Apparent MW: id 68kDa.

ADDITIONAL INFORMATION

Related Product Information for EAAT1 positive control

Western Blot Positive Control Excitatory Amino Acid Transporter 1 Antibody
Transports L-glutamate and also L- and D-aspartate. Essential for terminating the postsynaptic action of glutamate by rapidly removing released glutamate from the synaptic cleft. Acts as a symport by cotransporting sodium.

NCBI AND UNIPROT INFORMATION

NCBI GI #	24233554
NCBI GeneID	20512

NCBI Accession #	NP_683740.1
NCBI GenBank Nucleotide #	NM_148938.3
UniProt Accession #	P56564; Q99P53
NCBI Official Full Name	excitatory amino acid transporter 1
NCBI Official Synonym Full Names	solute carrier family 1 (glial high affinity glutamate transporter), member 3
NCBI Official Symbol	Slc1a3
NCBI Official Synonym Symbols	Gmt1; Eaat1; GLAST; GLU-T; GluT-1; MGluT1; GLAST-1; AI504299; B430115D02Rik
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; Gmt1; GLAST-1
UniProt Entry Name	EAA1_MOUSE

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/positive-control/eaat1/75952>