

Rabbit EAAT1 Polyclonal Antibody | anti-EAAT1 antibody

EAAT1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA75698	Rabbit	Human, Monkey, Mouse, Rat	Western Blot, Immunoprecipitation, Immunohistochemistry, ELISA

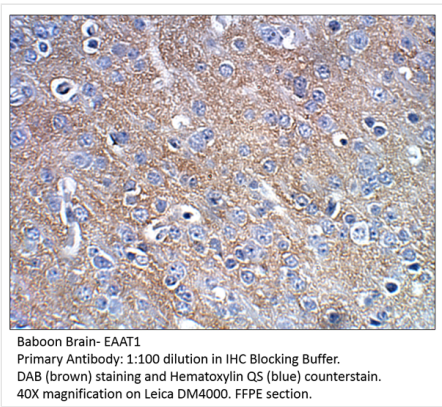
PRODUCT SYNONYMS

EAAT1; Polyclonal Antibody; EAAT1 Antibody; 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; anti-EAAT1 antibody

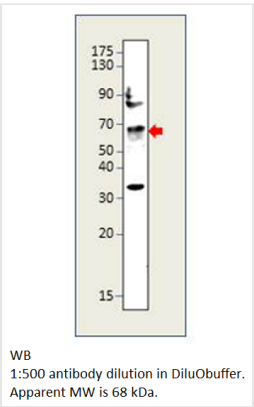
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Monkey, Mouse, Rat
Clonality	Polyclonal
Specificity	Will not cross react with EAAT2 protein.
Form/Format	Affinity Purified
Concentration	0.61 ug/ul in antibody stabilization buffer (varies by lot)
Sequence Length	543
Applicable Applications for anti-EAAT1 antibody	WB (Western Blot), IP (Immunoprecipitation), IHC (Immunohistochemistry), ELISA
Immunogen	Synthetic peptide corresponding to C terminal amino acids 480-543 of Mouse EAAT1 protein. The selected peptide was post-synthetically modified to achieve highest antigenicity before coupling to carrier protein using heterobifunctional cross linker for immunogen preparation. Sequence: KPYQLIAQDNEPEKPVADSETK
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	-20• degree C for long term storage

IMAGES



IHC (Immunohistochemistry)



WB (Western Blot)

ADDITIONAL INFORMATION

Related Product Information for anti-EAAT1 antibody	Affinity Purified 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.
Product Categories/Family for anti-EAAT1 antibody	Primary Antibodies; Metabolism & Homeostasis; Energy Metabolism; EAAT1 Antibody

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
Molecular Weight	59,622 Da
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.