

Rabbit anti-Mouse, Rat EAAT3 Polyclonal Antibody | anti-SLC1A1 antibody

Anti-EAAT3 antibody

CATALOG # AAA45679	HOST Rabbit	REACTIVITY Mouse, Rat	APPLICATIONS Western Blot
------------------------------	-----------------------	---------------------------------	-------------------------------------

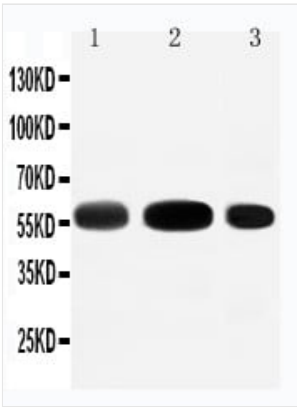
PRODUCT SYNONYMS

EAAT3; Polyclonal Antibody; Anti-EAAT3 antibody; Excitatory amino acid transporter 3; solute carrier family 1(neuronal/epithelial high affinity glutamate transporter; system Xag); member 1; EAA3_HUMAN antibody; EAAC 1 antibody; EAAC1 antibody; EAAT 3 antibody; Excitatory amino acid carrier 1 antibody; Excitatory amino acid carrier1 antibody; Excitatory amino acid transporter 3 antibody; Excitatory amino acid transporter3 antibody; Excitatory amino-acid carrier 1 antibody; GLUTAMATE TRANSPORTER; HIGH-AFFINITY antibody; MEAAC 1 antibody; MEAAC1 antibody; Neuronal and epithelial glutamate transporter antibody; REAAC 1 antibody; REAAC1 antibody; Slc1 a1 antibody; Slc1a 1 antibody; SLC1A1 antibody; Sodium dependent glutamate/aspartate transporter 3 antibody; Sodium-dependent glutamate/aspartate transporter 3 antibody; Solute carrier family 1(neuronal/epithelial high affinity glutamate transporter; member 1 antibody; SOLUTE CARRIER FAMILY 1(NEURONAL/EPITHELIAL HIGH AFFINITY GLUTAMATE TRANSPORTER); MEMBER 1 antibody; Solute carrier family 1 member 1 antibody; Solute carrier family 1; anti-SLC1A1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	No cross reactivity with other proteins.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	523
Applicable Applications for anti-SLC1A1 antibody	WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of mouse EAAT3 (10-27aa DWRRFLRNHWLLSTVAA), identical to the related rat sequence.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



WB (Western Blot)
Anti-EAAT3 antibody, AAA45679, Western blotting
Lane 1: Rat Liver Tissue Lysate
Lane 2: Rat Heart Tissue Lysate
Lane 3: HEPA Cell Lysate

ADDITIONAL INFORMATION

Related Product Information for anti-SLC1A1 antibody	Description: Rabbit IgG polyclonal antibody for Excitatory amino acid transporter 3(SLC1A1) detection. Tested with WB in Mouse, Rat. Background: Solute carrier family 1 member 1, also called SLC1A1, is a protein that in humans is encoded by the SLC1A1 gene. By Southern analysis of a panel of human/rodent somatic cell hybrids and by fluorescence in situ hybridization(FISH), this gene is mapped to 9p24.2. 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 dicarboxylicamino aciduria, also known as glutamate-aspartate transport defect.
---	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	341940483
NCBI GeneID	20510
UniProt Accession #	P51906; O35869; O35875; Q6P1F7
Molecular Weight	56,694 Da
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; EAAC2; EAAT3; MEAAC1; D130048G10Rik
NCBI Protein Information	excitatory amino acid transporter 3; glutamate transporter mEAAC2; excitatory amino acid carrier 2; excitatory amino-acid carrier 1; solute carrier family 1, member 1; 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_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.

