EAAT3 rabbit pAb

Cat#: orb765092 (Manual)

For research use only. Not intended for diagnostic use.

Product Name	EAAT3 rabbit pAb
Host species	Rabbit
Applications	WB;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human EAAT3. AA range:122-171
Specificity	EAAT3 Polyclonal Antibody detects endogenous levels of EAAT3 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Excitatory amino acid transporter 3
Gene Name	SLC1A1
Cellular localization	Cell membrane ; Multi-pass membrane protein . Apical cell membrane ; Multi-pass membrane protein . Cell junction, synapse, synaptosome . Early endosome membrane . Late endosome membrane . Recycling endosome membrane .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

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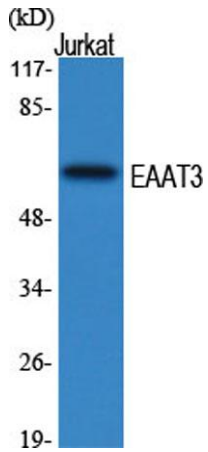
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	57kD
Human Gene ID	6505
Human Swiss-Prot Number	P43005
Alternative Names	SLC1A1; EAAC1; EAAT3; Excitatory amino acid transporter 3; Excitatory amino-acid carrier 1; Neuronal and epithelial glutamate transporter; Sodium-dependent glutamate/aspartate transporter 3; Solute carrier family 1 member 1
Background	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. [provided by RefSeq, Mar 2010],



Western Blot analysis of various cells using EAAT3 Polyclonal Antibody

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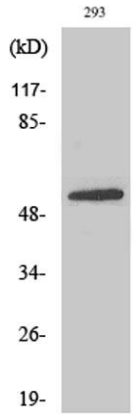
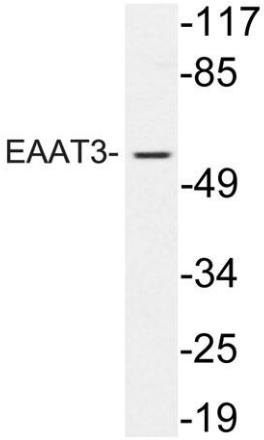


Western Blot analysis of 293 cells using EAAT3 Polyclonal Antibody



Western blot analysis of lysate from 293 cells treated with EGF, using EAAT3 antibody.

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