

Anti-EAAT2 Antibody
Rabbit polyclonal antibody to EAAT2
Catalog # AP61485**Specification**

Anti-EAAT2 Antibody - Product Information

Application	WB
Primary Accession	P43004
Other Accession	P43006
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	62104

Anti-EAAT2 Antibody - Additional Information**Gene ID** 6506**Other Names**EAAT2; GLT1; Excitatory amino acid transporter 2; Glutamate/aspartate transporter II;
Sodium-dependent glutamate/aspartate transporter 2; Solute carrier family 1 member 2**Target/Specificity**

Recognizes endogenous levels of EAAT2 protein.

Dilution

WB~~WB (1/500 - 1/1000)

Format

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage

Store at -20 °C. Stable for 12 months from date of receipt

Anti-EAAT2 Antibody - Protein Information**Name** SLC1A2 ([HGNC:10940](#))**Function**

Sodium-dependent, high-affinity amino acid transporter that mediates the uptake of L-glutamate and also L-aspartate and D-aspartate (PubMed:14506254, PubMed:15265858, PubMed:26690923, PubMed:7521911). Functions as a symporter that transports one amino acid molecule together with two or three Na(+) ions and one proton, in parallel with the counter-transport of one K(+) ion (PubMed:<a

<http://www.uniprot.org/citations/14506254>). Mediates Cl(-) flux that is not coupled to amino acid transport; this avoids the accumulation of negative charges due to aspartate and Na(+) symport (PubMed:<<http://www.uniprot.org/citations/14506254>>). Essential for the rapid removal of released glutamate from the synaptic cleft, and for terminating the postsynaptic action of glutamate (By similarity).

Cellular Location

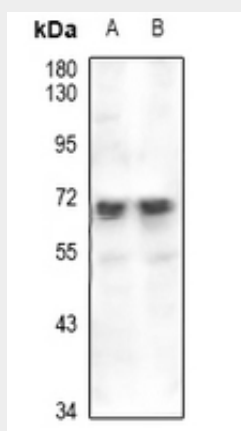
Cell membrane; Multi-pass membrane protein

Anti-EAAT2 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-EAAT2 Antibody - Images



Western blot analysis of EAAT2 expression in rat brain (A), mouse brain (B) whole cell lysates.

Anti-EAAT2 Antibody - Background

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human EAAT2. The exact sequence is proprietary.