

Anti-SLC1A3 / EAAT1 Antibody (aa492-541)
Rabbit Anti Human Polyclonal Antibody
Catalog # ALS17376**Specification**

Anti-SLC1A3 / EAAT1 Antibody (aa492-541) - Product Information

Application	WB, IHC-P, E
Primary Accession	P43003
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	59572

Anti-SLC1A3 / EAAT1 Antibody (aa492-541) - Additional Information**Gene ID 6507**

Alias Symbol	SLC1A3
Other Names	
SLC1A3, EA6, EAAT-1, EAAT1, GLAST, GLAST1, GLAST-1, GLUT-1	

Target/Specificity

EAAT1 antibody detects endogenous levels of EAAT1.

Reconstitution & Storage

PBS, pH 7.4, 150 mM sodium chloride, 0.02% sodium azide, 50% glycerol Store at -20°C.

Precautions

Anti-SLC1A3 / EAAT1 Antibody (aa492-541) is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-SLC1A3 / EAAT1 Antibody (aa492-541) - Protein Information

Name SLC1A3 ([HGNC:10941](#))

Function

Sodium-dependent, high-affinity amino acid transporter that mediates the uptake of L-glutamate and also L-aspartate and D-aspartate (PubMed:[7521911](http://www.uniprot.org/citations/7521911), PubMed:[8123008](http://www.uniprot.org/citations/8123008), PubMed:[20477940](http://www.uniprot.org/citations/20477940), PubMed:[26690923](http://www.uniprot.org/citations/26690923), PubMed:[28032905](http://www.uniprot.org/citations/28032905), PubMed:[28424515](http://www.uniprot.org/citations/28424515)). 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:[20477940](http://www.uniprot.org/citations/20477940)). 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:20477940). Plays a redundant role in the rapid removal of released glutamate from the synaptic cleft, which is essential for terminating the postsynaptic action of glutamate (By similarity).

Cellular Location

Cell membrane; Multi-pass membrane protein

Tissue Location

Detected in brain (PubMed:8218410, PubMed:7521911, PubMed:8123008). Detected at very much lower levels in heart, lung, placenta and skeletal muscle (PubMed:7521911, PubMed:8123008). Highly expressed in cerebellum, but also found in frontal cortex, hippocampus and basal ganglia (PubMed:7521911).

Anti-SLC1A3 / EAAT1 Antibody (aa492-541) - 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-SLC1A3 / EAAT1 Antibody (aa492-541) - Images