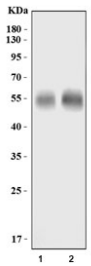
GLAST Antibody / EAAT1 / SLC1A3 (R32423)

Catalog No.	Formulation	Size
R32423	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P43003
Localization	Cytoplasmic, membranous
Applications	Western blot: 0.5-1ug/ml
Limitations	This GLAST antibody is available for research use only.



Western blot testing of 1) rat brain and 2) mouse brain lysate with GLAST antibody. Predicted molecular weight: 55-60 kDa.

Description

Solute carrier family 1 (glial high-affinity glutamate transporter), member 3, also known as SLC1A3, EAAT1 or GLAST, is a protein that in humans is encoded by the SLC1A3 gene. This gene is a member of high affinity glutamate transporter family. It is mapped to chromosome 5p13.2 by fluorescence in situ hybridization (FISH). And this gene transports L-glutamate and also L- and D-aspartate. It is essential for terminating the postsynaptic action of glutamate by rapidly removing released glutamate from the synaptic cleft. Furthermore, this gene acts as a symport by cotransporting sodium.

Application Notes

Optimal dilution of the GLAST antibody should be determined by the researcher.

Immunogen

Amino acids RMERFQQGVRKRTLLAKKKVQNITKEDVK were used as the immunogen for the GLAST antibody.

Storage

After reconstitution, the GLAST antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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