

## GLAST Antibody / EAAT1 / SLC1A3 (R32423)

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

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<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Mouse, Rat
<b>Format</b>	Antigen affinity purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity
<b>Buffer</b>	Lyophilized from 1X PBS with 2% Trehalose
<b>UniProt</b>	P43003
<b>Localization</b>	Cytoplasmic, membranous
<b>Applications</b>	Western Blot : 0.5-1ug/ml
<b>Limitations</b>	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.