

# EAAT1/SLC1A3 Rabbit mAb

Catalog No.: A9712 **Recombinant**

## Basic Information

### Observed MW

50-55kDa,90-150kDa,58kDa/130kDa

### Calculated MW

60kDa

### Category

Primary antibody

### Applications

ELISA,WB,IHC-P,IF/ICC

### Cross-Reactivity

Mouse, Rat

### CloneNo number

ARC1714

## Background

This gene encodes a member of a member of a high affinity glutamate transporter family. This gene functions in the termination of excitatory neurotransmission in central nervous system. Mutations are associated with episodic ataxia, Type 6. Alternative splicing results in multiple transcript variants.

## Recommended Dilutions

<b>WB</b>	1:500 - 1:1000
<b>IHC-P</b>	1:50 - 1:200
<b>IF/ICC</b>	1:50 - 1:200

## Immunogen Information

### Gene ID

6507

### Swiss Prot

P43003

### Immunogen

A synthetic peptide corresponding to a sequence within amino acids 150-250 of human EAAT1/SLC1A3 (P43003).

### Synonyms

EA6; EAAT1; GLAST; GLAST1; EAAT1/SLC1A3

## Contact

	400-999-6126
	cn.market@abclonal.com.cn
	www.abclonal.com.cn

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

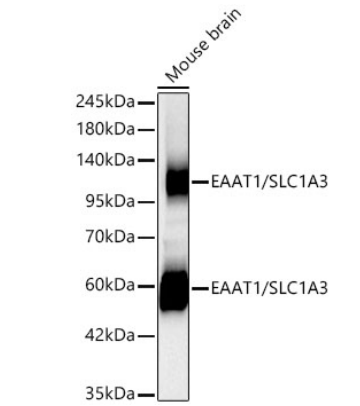
Affinity purification

### Storage

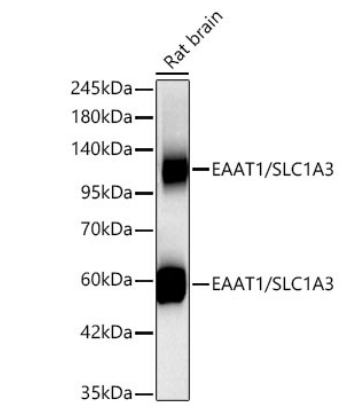
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide,0.05% BSA,50% glycerol,pH7.3.

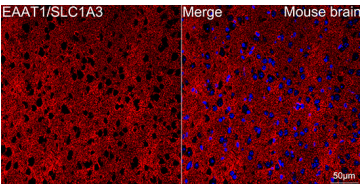
Validation Data



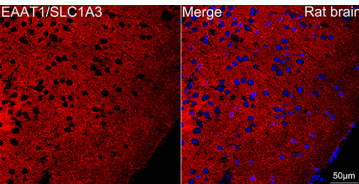
Western blot analysis of various lysates from Mouse brain using EAAT1/SLC1A3 Rabbit mAb (A9712) at 1:1000 dilution.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25 µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Enhanced Kit (RM00021).  
Exposure time: 3min.



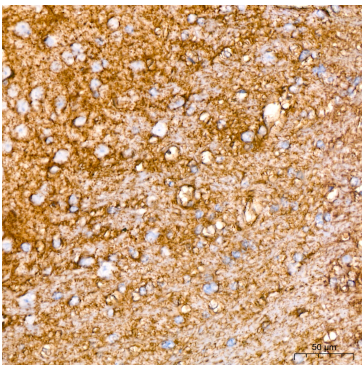
Western blot analysis of lysates from Rat brain, using EAAT1/SLC1A3 Rabbit mAb (A9712) at 1:500 dilution.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Enhanced Kit (RM00021).  
Exposure time: 3min.



Confocal imaging of paraffin-embedded Mouse brain tissue using EAAT1/SLC1A3 Rabbit mAb (A9712, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 40x. Perform microwave antigen retrieval with 0.01 M citrate buffer (pH 6.0) prior to IF staining.



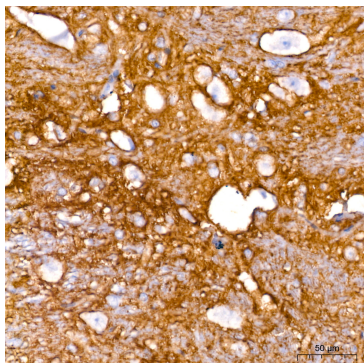
Confocal imaging of paraffin-embedded Rat brain tissue using EAAT1/SLC1A3 Rabbit mAb (A9712, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 40x. Perform microwave antigen retrieval with 0.01 M citrate buffer (pH 6.0) prior to IF staining.



Immunohistochemistry analysis of EAAT1/SLC1A3 in paraffin-embedded mouse brain tissue using EAAT1/SLC1A3 Rabbit mAb (A9712) at a dilution of 1:200 (40x lens).High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.

## Validation Data

---



Immunohistochemistry analysis of EAAT1/SLC1A3 in paraffin-embedded rat brain tissue using EAAT1/SLC1A3 Rabbit mAb (A9712) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.