

## EAAT1 (ANT0096R) Rabbit mAb

CatalogNo: ANT8123 **Recombinant** 

Formulation: PBS,50%glycerol,0.05%Proclin 300,0.05%BSA  
Quantity : 100 ug/vial

### Host Species

- Rabbit
- Human,Mouse,Rat,

### Reactivity

- WB,IHC,IF,IP,ELISA

### Applications

### MW

- 60kD (Calculated)
- 59kD (Observed)

### Isotype

- IgG,Kappa

## Recommended Dilution Ratios

IHC 1:200-1000

WB 1:500-2000

IF 1:200-1000

ELISA 1:5000-20000

IP 1:50-200

## Storage

**Storage\*** -15°C to -25°C/1 year(Do not lower than -25°C)

## Basic Information

**Clonality** Monoclonal

**Clone Number** ANT0096R

## Target Information

# Immunogen Information Specificity

Endogenous

Gene name SLC1A3  
Protein Name Excitatory amino acid transporter 1

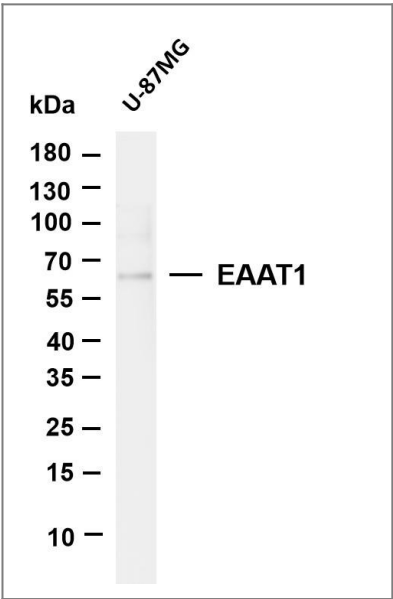
Organism	Gene ID	UniProt ID
Human	<a href="#">6507</a> ;	<a href="#">P43003</a> ;
Mouse		<a href="#">P56564</a> ;

Cellular Localization Cell membrane

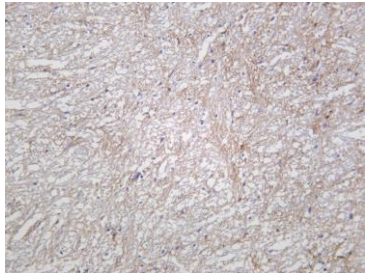
Tissue specificity Detected in brain (PubMed:8218410, PubMed:7521911, PubMed:8123008). Detected at very much lower levels in heart, lung, placenta and skeletal muscle (PubMed:7521911, PubMed:8123008). Highly expressed in cerebellum, but also found in frontal cortex, hippocampus and basal ganglia (PubMed:7521911).

Function Disease:Defects in SLC1A3 are the cause of episodic ataxia type 6 (EA6) [MIM:612656]. EA6 is characterized by episodic ataxia, seizures, migraine and alternating hemiplegia.,Function:Transports L- glutamate and also L- and D-aspartate. Essential for terminating the postsynaptic action of glutamate by rapidly removing released glutamate from the synaptic cleft. Acts as a symport by cotransporting sodium.,ANTM:Glycosylated.,similarity:Belongs to the sodium:dicarboxylate (SDF) symporter (TC 2.A.23) family.,tissue specificity:Highly expressed in cerebellum, but also found in frontal cortex, hippocampus and basal ganglia.,

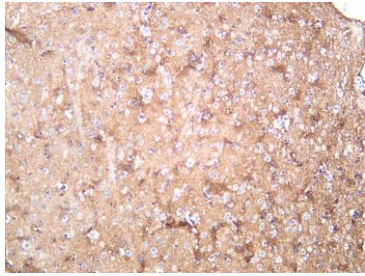
## Validation Data



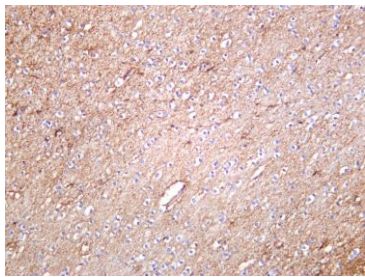
Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-EAAT1 (ANT0096R) antibody. The HRPconjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: U-87MG Predicted band size: 60kDa Observed band size: 59kDa



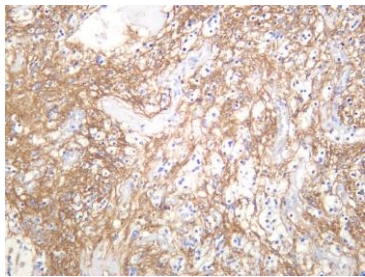
Rat brain was stained with Anti-EAAT1 (ANT0096R) rabbit antibody



Mouse brain was stained with Anti-EAAT1 (ANT0096R) rabbit antibody



Human brain was stained with Anti-EAAT1 (ANT0096R) rabbit antibody



Human glioma was stained with anti-EAAT1 (ANT0096R) rabbit antibody

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