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EAAT2/SLC1A2 Rabbit pAb

Catalog No.: A0910SP **5 Publications**

Basic Information

Observed MW
62 kDa

Calculated MW
62 kDa/61 kDa

Category
Primary antibody

Applications
WB,IF-P,IHC-P,ELISA

Cross-Reactivity
Mouse, Rat

Background

This gene encodes a member of a family of solute transporter proteins. The membrane-bound protein is the principal transporter that clears the excitatory neurotransmitter glutamate from the extracellular space at synapses in the central nervous system. Glutamate clearance is necessary for proper synaptic activation and to prevent neuronal damage from excessive activation of glutamate receptors. Improper regulation of this gene is thought to be associated with several neurological disorders. Alternatively spliced transcript variants of this gene have been identified.

Recommended Dilutions

WB	1:6000 - 1:16000
IF-P	1:200 - 1:800
IHC-P	1:800 - 1:8000
ELISA	Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.For high-ratio antibody dilutions (≥1:10000)，a sequential dilution method is strongly recommended to ensure measurement accuracy.

Immunogen Information

Gene ID
6506

Swiss Prot
P43004

Immunogen
This information is considered to be commercially sensitive.

Synonyms
GLT1; HBGT; DEE41; EAAT2; GLT-1; EIEE41

Product Information

Source
Rabbit

Isotype
IgG

Purification
Affinity purification

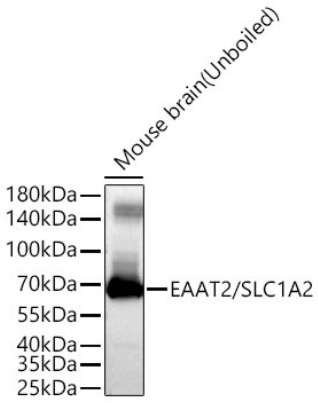
Storage
Store at -20℃

Contact

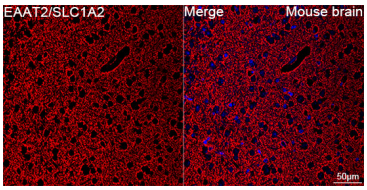
☎ | 400-999-6126

✉ | cn.market@abclonal.com.cn

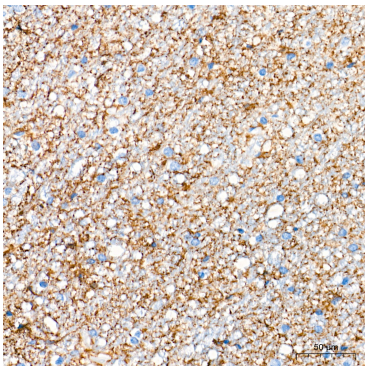
Validation Data



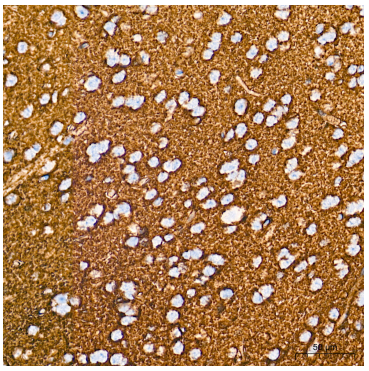
Western blot analysis of lysates from Mouse brain using EAAT2/SLC1A2 Rabbit pAb (A0910SP) at 1:8000 dilution incubated overnight at 4℃.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 10 s.



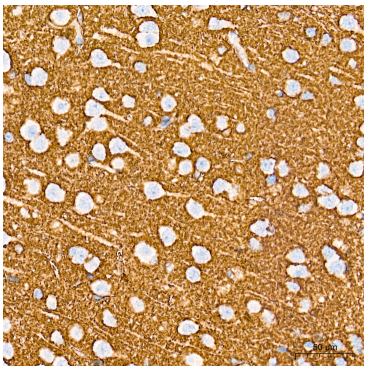
Confocal imaging of paraffin-embedded Mouse brain tissue using EAAT2/SLC1A2 Rabbit pAb (A0910SP, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



Immunohistochemistry analysis of paraffin-embedded Human brain tissue using EAAT2/SLC1A2 Rabbit pAb (A0910SP) at a dilution of 1:8000 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse brain tissue using EAAT2/SLC1A2 Rabbit pAb (A0910SP) at a dilution of 1:8000 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat brain tissue using EAAT2/SLC1A2 Rabbit pAb (A0910SP) at a dilution of 1:8000 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.