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Certificate of analysis

Anti-Excitatory Amino Acid Transporter 2 (extracellular)

EAAT2, GLT-1, SLC1A2

Cat #: AGC-022 | **Size:** 50 µl, 0.2 ml | **Source:** Rabbit | **Type:** Polyclonal

Application: IC, IH, LCI, WB | **Reactivity:** H, M, R
May also work in: IFC, IP

Application key: CBE- Cell-based ELISA, FC- Flow cytometry, IC- Immunocytochemistry, IE- Indirect ELISA, IFC- Indirect flow cytometry, IH- Immunohistochemistry, IP- Immunoprecipitation, LCI- Live cell imaging, N- Neutralization, WB- Western blot
Species reactivity key: H- Human, M- Mouse, R- Rat

Control antigen included

Lyophilized powder

Specifications

Immunogen	Peptide (C)KQLGPGKKNDEVS, corresponding to amino acid residues 151-163 of rat EAAT2 (Accession P31596). 2 nd extracellular loop.
Homology	Mouse, human - identical.
Purity	Affinity purified on immobilized antigen.
Formulation	Lyophilized powder. Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1% BSA, 0.025% NaN ₃ .
Peptide confirmation	Confirmed by mass-spectrography and amino acid analysis.
Storage before reconstitution	Lyophilized powder can be stored intact at room temperature for several weeks. For longer periods, it should be stored at -20°C.
Reconstitution	50 µl or 0.2 ml deionized water, depending on the sample size.
Antibody concentration after reconstitution	0.8 mg/ml.
Storage after reconstitution	The reconstituted solution can be stored at 4°C for up to 2 weeks. For longer periods, small aliquots should be stored at -20°C or below. Avoid multiple freezing and thawing. Further dilutions should be made using a carrier protein such as BSA (1%). Centrifuge all antibody preparations before use (10000 × g 5 min).
Control antigen storage	Lyophilized powder can be stored intact at room temperature for several weeks. For longer periods, it should be stored at -20°C.

before reconstitution

Control antigen reconstitution 100 µl water.

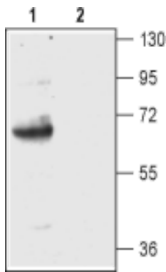
Control antigen storage after reconstitution -20°C.

Preadsorption control 1 µg peptide per 1 µg antibody.

Standard quality control of each lot Western blot analysis.

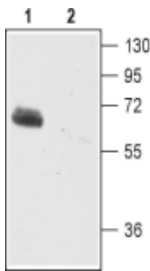
Applications

Western blot Rat cerebellum lysate (1:500) and mouse brain membranes (1:200).



Western blot analysis of rat cerebellum lysate:

- 1. Anti-Excitatory Amino Acid Transporter 2 (extracellular) antibody (#AGC-022), (1:500).
- 2. Anti-Excitatory Amino Acid Transporter 2 (extracellular) antibody, preincubated with the control peptide antigen.



Western blot analysis of mouse brain membranes:

- 1. Anti-Excitatory Amino Acid Transporter 2 (extracellular) antibody (#AGC-022), (1:200).
- 2. Anti-Excitatory Amino Acid Transporter 2 (extracellular) antibody, preincubated with the control peptide antigen.

Live cell imaging / Immunocytochemistry Human U-87 MG cells (1:100).

Immunohistochemistry Rat brain sections (frozen) (1:200).

For research purposes only, not for human use

Last update: 29/09/2014