

bs-1003R**[Primary Antibody]****EAAT1 Rabbit pAb****BioSS**
ANTIBODIES

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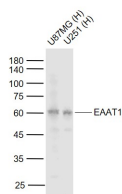
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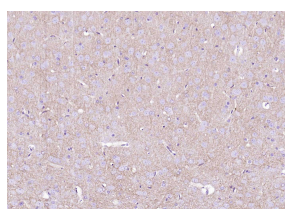
400-901-9800

— DATASHEET —**Host:** Rabbit**Isotype:** IgG**Clonality:** Polyclonal**GeneID:** 6507**SWISS:** P43003**Target:** EAAT1**Immunogen:** KLH conjugated synthetic peptide derived from human EAAT1: 301-400/512.**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml**Storage:** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

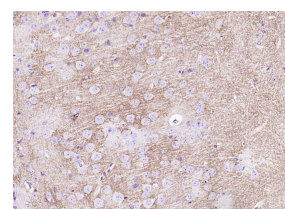
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

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.[provided by RefSeq, Feb 2014]**Applications:** WB (1:500-2000)**IHC-P** (1:100-500)**IHC-F** (1:100-500)**IF** (1:100-500)**Flow-Cyt** (1µg/Test)**Reactivity:** Human, Mouse, Rat**Predicted MW.:** 60 kDa**Subcellular Location:** Cell membrane**— VALIDATION IMAGES —**

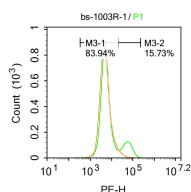
Sample: Lane 1: U87MG (Human) Cell Lysate at 30 ug Lane 2: U251 (Human) Cell Lysate at 30 ug
 Primary: Anti-EAAT1 (bs-1003R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 60 kD Observed band size: 60 kD



Paraformaldehyde-fixed, paraffin embedded (rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (EAAT1) Polyclonal Antibody, Unconjugated (bs-1003R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (EAAT1) Polyclonal Antibody, Unconjugated (bs-1003R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Blank control: U87MG. Primary Antibody (green line): Rabbit Anti-EAAT1 antibody (bs-1003R)
 Dilution: 1µg/10⁶ cells; Isotype Control Antibody (orange line): Rabbit IgG. Secondary Antibody: Goat anti-rabbit IgG-PE Dilution: 1µg/test. The cells were incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

— SELECTED CITATIONS —

- **[IF=4.721]** Ohmichi T et al. Quantification of brain-derived extracellular vesicles in plasma as a biomarker to diagnose Parkinson's and related diseases. (2018) Parkinsonism Relat Disord. Nov 20. ELISA ;Human. 30502924
- **[IF=4.879]** Tomasz Stępień. et al. Neuropathological Changes in the Brains of Suicide Killers. Biomolecules. 2021 Nov;11(11):1674 IHC ;Human. 34827673
- **[IF=1.06]** Xiao, Ke-Qing, et al. "Effect of subarachnoid nerve block anesthesia on glutamate transporter GLAST and GLT-1 expressions in rabbits." Asian Pacific Journal of Tropical Medicine (2015). IHC ;="Rabbit". 26276289
- **[IF=0.66]** Lu, Jun, et al. "Expression of GFAP, GLAST and GLT-1 in astrocytes in patients with mesial temporal lobe epilepsy." Journal of Hainan Medical University 22.2 (2016): 87-90. IHC ;="Human". notpostedyet