

bs-1751R**[Primary Antibody]****EAAT2 Rabbit pAb****BioSS**
ANTIBODIES

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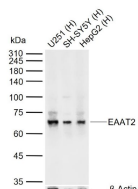
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— DATASHEET —

Host: Rabbit Clonality: Polyclonal GeneID: 6506 Target: EAAT2 Immunogen: KLH conjugated synthetic peptide derived from human EAAT2: 351-450/574. < Extracellular > 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 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. Mutations in and decreased expression of this protein are associated with amyotrophic lateral sclerosis. Alternatively spliced transcript variants of this gene have been identified. [provided by RefSeq, Sep 2010]	Isotype: IgG SWISS: P43004	Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) ICC/IF (1:100) ELISA (1:5000-10000) Reactivity: Human, Rat (predicted: Mouse, Rabbit, Sheep, Cow, Dog, Horse) Predicted MW.: 62 kDa Subcellular Location: Cell membrane
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— VALIDATION IMAGES —

Sample: Lane 1: Human U251 cell lysates Lane 2:
Human SH-SY5Y cell lysates Lane 3: Human
HepG2 cell lysates Primary: Anti-EAAT2
(bs-1751R) at 1/1000 dilution Secondary:
IRDye800CW Goat Anti-Rabbit IgG at 1/20000
dilution Predicted band size: 62 kDa Observed
band size: 66 kDa

— SELECTED CITATIONS —

- **[IF=5.6]** Evgenii Gerasimov. et al. Activation of Gq-Coupled Receptors in Astrocytes Restores Cognitive Function in Alzheimer's Disease Mice Model. INT J MOL SCI. 2023 Jan;24(12):9969 WB ;Mouse. 37373117