bs-20325R

[Primary Antibody]

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EAAT2 Rabbit pAb

DATASHEET -

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

GeneID: 6506 SWISS: P43004

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: Preservative: 0.02% Proclin300, Constituents: 1% BSA, 0.01M PBS,

. 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]

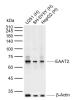
Applications: WB (1:500-2000)

Reactivity: Human, Mouse, Rat

Predicted 62 kDa

Subcellular Cell membrane

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-20325R) at 1/1000 dilution Secondary: IRDve800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 62 kDa Observed band size: 66 kDa

— SELECTED CITATIONS –

- [IF=9.3] D' Ambrosio Antonella. et al. Proteomic profile of extracellular vesicles from plasma and CSF of multiple sclerosis patients reveals disease activity-associated EAAT2. J NEUROINFLAMM. 2024 Dec;21(1):1-20 WB; Human. 39223661
- [IF=3.606] Yingjiao Liuet al. Exogenous Adenosine Antagonizes Excitatory Amino Acid Toxicity in Primary Astrocytes. Cell Mol Neurobiol . 2020 Jul 6. WB, IF; rat. 32632892