

For Research Use Only

EAAT2 Recombinant monoclonal antibody

Catalog Number: 88675-1-RR



Basic Information

Catalog Number: 88675-1-RR	GenBank Accession Number: BC132768	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 6506	CloneNo.: 261306F4
Isotype: IgG	UNIPROT ID: P43004	Recommended Dilutions: WB: 1:500-1:2000
Immunogen Catalog Number: AG19816	Full Name: solute carrier family 1 (glial high affinity glutamate transporter), member 2	
	Calculated MW: 574 aa, 62 kDa	
	Observed MW: 60-70 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls:
Species Specificity: human, mouse, rat	WB : mouse hippocampus tissue, mouse brain tissue, rat brain tissue

Background Information

There are five isoforms of the EAATs, with their expression being cell type and brain region specific. The isoforms EAAT1 and EAAT2 are primarily expressed on astrocytes, with high expression in the cerebellum and throughout the entire brain, respectively. EAAT3 is expressed throughout the brain, while EAAT4 expression is predominantly found in the cerebellum. EAAT5 expression is mainly restricted to photoreceptors and bipolar cells in the retina. EAAT2, encoded by the SLC1A2 gene and also referred to by its rodent nomenclature, glutamate transporter 1 (GLT-1), is responsible for 90% of glutamate uptake in the mature brain. Its expression is hence critical for controlling extracellular glutamate concentrations.

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

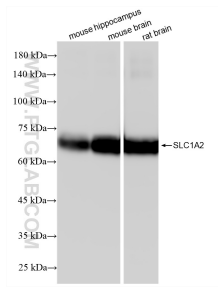
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 88675-1-RR (SLC1A2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.