

For Research Use Only

EAAT2 Monoclonal antibody, PBS Only



Catalog Number: 67083-1-PBS

Basic Information

Catalog Number: 67083-1-PBS	GenBank Accession Number: BC132768	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 6506	CloneNo.: 1C8D10
Source: Mouse	UNIPROT ID: P43004	
Isotype: IgG1	Full Name: solute carrier family 1 (glial high affinity glutamate transporter), member 2	
Immunogen Catalog Number: AG19816	Calculated MW: 574 aa, 62 kDa	
	Observed MW: 60-70 kDa	

Applications

Tested Applications:
WB, IHC, Indirect ELISA

Species Specificity:
Human, mouse, rat

Background Information

EAAT2 (also known as GLT-1), is encoded by SLC1A2 and is a glutamate transporter which can clear the majority of extracellular glutamate in brain and prevent brain seizures. Three isoforms of EAAT2 exist due to the alternative splicing. In addition to the 65-70 kDa monomer form, 130-150 kDa dimer of EAAT2 can also be observed on SDS-PAGE. (PMID: 22114258)

Storage

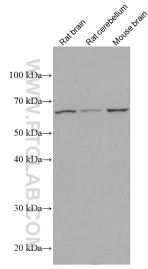
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

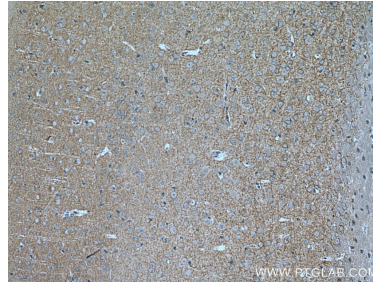
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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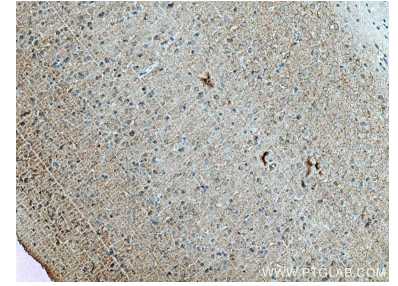
Selected Validation Data



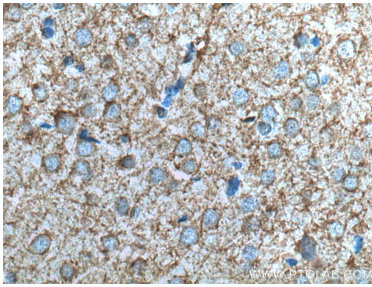
Various lysates were subjected to SDS PAGE followed by western blot with 67083-1-Ig (SLC1A2 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67083-1-PBS in a different storage buffer formulation.



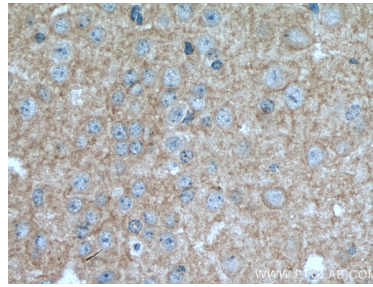
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 67083-1-Ig (EAAT2 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67083-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 67083-1-Ig (EAAT2 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67083-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 67083-1-Ig (EAAT2 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67083-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 67083-1-Ig (EAAT2 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67083-1-PBS in a different storage buffer formulation.