

For Research Use Only

EAAT4 Polyclonal antibody

Catalog Number: 12876-1-AP **1 Publications**



Basic Information

Catalog Number: 12876-1-AP	GenBank Accession Number: BC028721	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 500 µg/ml by Nanodrop and 227 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 6511	Recommended Dilutions: WB 1:500-1:2000
Source: Rabbit	Full Name: solute carrier family 1 (high affinity aspartate/glutamate transporter), member 6	
Isotype: IgG	Calculated MW: 61.6 kDa	
Immunogen Catalog Number: AG3554	Observed MW: 60-70 kDa	

Applications

Tested Applications: WB,ELISA	Positive Controls: WB : A375 cells,
Cited Applications: WB	
Species Specificity: human, mouse, rat	
Cited Species: mouse	

Background Information

Excitatory amino acid transporter 4 (EAAT4) is a neuronal glutamate transporter responsible for the reuptake of synaptically released glutamate. The EAAT4 protein is highly enriched in Purkinje cells of the cerebellum, although it is not restricted to these cells (18770868). While the predicted molecular weight of EAAT4 is 62 kDa, considerable heterogeneity in transporter size has been reported in the brain with molecular weights ranging from 50 to 120 kDa as a result of differential glycosylation and/or phosphorylation (24056007). This antibody recognizes 60-70 kDa of EAAT4 in mouse brain and several other lysate.

Notable Publications

Author	Pubmed ID	Journal	Application
Michael Rabenstein	29463856	Sci Rep	WB

Storage

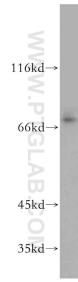
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

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)
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Selected Validation Data



A375 cells were subjected to SDS PAGE followed by western blot with 12876-1-AP (EAAT4 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.