

EAAT4 Polyclonal Antibody

Catalog number: 12876-1-AP

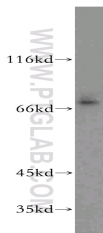
Size: 34 µg/150 µl

Source: Rabbit

Isotype: IgG

Synonyms:

SLC1A6; EAAT4, SLC1A6



A375 cells were subjected to SDS PAGE followed by western blot with 12876-1-AP(SLC1A6 antibody) at dilution of 1:300

Background

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.

Applications

Tested applications:	ELISA, WB
Species specificity:	Human,Mouse,Rat; other species not tested.
Calculated EAAT4 MW:	61.6kd
Observed EAAT4 MW:	60-70 kDa
Positive WB detected in	A375 cells
Recommended dilution:	WB: 1:500-1:5000

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag3554
GenBank accession number:	BC028721
Gene ID (NCBI):	6511
Full name:	Solute carrier family 1 (high affinity aspartate/glutamate transporter), member 6

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Store at -20°C.