EAA2 mouse mAb

Catalog No	YP-mAb-12874
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	SLC1A2 EAAT2 GLT1
Immunogen	Synthesized peptide derived from human EAA2
Specificity	This antibody detects endogenous levels of Human,Rat,Mouse EAA2
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	EAAT2;SLC1A2 EAAT2 GLT1;EAA2;Excitatory amino acid transporter 2 (Glutamate/aspartate transporter II;Sodium-dependent glutamate/aspartate transporter 2;Solute carrier family 1 member 2)
Observed Band	63kD
Calculated Molecular Weight	63kD
Cell Pathway	Cell membrane ; Multi-pass membrane protein .
Tissue Specificity	
Function	function:Transports L-glutamate and also L- and D-aspartate. Essential for terminating the postsynaptic action of glutamate by rapidly removing released glutamate from the synaptic cleft. Acts as a symport by cotransporting sodium., PTM:Glycosylated.,similarity:Belongs to the sodium:dicarboxylate (SDF) symporter (TC 2.A.23) family.,subunit:Homotrimer. Interacts with JUB.,
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],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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