Best Tools for immunology Research

EAA2 rabbit pAb

Catalog No :	YT7964
Reactivity :	Human;Rat;Mouse
Applications :	WB;ELISA
Target :	EAAT2
Fields :	>>Synaptic vesicle cycle;>>Glutamatergic synapse;>>Amyotrophic lateral sclerosis;>>Huntington disease
Gene Name :	SLC1A2 EAAT2 GLT1
Protein Name :	EAA2
Human Gene Id :	6506
Human Swiss Prot No :	P43004
Mouse Gene Id :	20511
Mouse Swiss Prot No :	P43006
Rat Gene Id :	29482
Rat Swiss Prot No :	P31596
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 :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:1000-2000 ELISA 1:5000-20000

Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Molecularweight :	63kD
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],
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.,
Subcellular Location :	Cell membrane ; Multi-pass membrane protein .

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