

EAAT2 Polyclonal Antibody

Catalog No :	YN5616
Reactivity :	Human;Rat;Mouse
Applications :	WB
Target :	EAAT2
Fields :	>>Synaptic vesicle cycle;>>Glutamatergic synapse;>>Amyotrophic lateral sclerosis;>>Huntington disease
Gene Name :	SLC1A2
Protein Name :	Excitatory amino acid transporter 2 (Glutamate/aspartate transporter II) (Sodium-dependent glutamate/aspartate transporter 2) (Solute carrier family 1 member 2)
Human Gene Id :	6506
Human Swiss Prot No :	P43004
Mouse Swiss Prot No :	P43006
Rat Swiss Prot No :	P31596
Immunogen :	Synthetic Peptide of EAAT2 AA range: 370-420
Specificity :	EAAT2 protein(A223) detects endogenous levels of EAAT2
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:1000-2000
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)

Observed Band : 62kD

Cell Pathway : Amyotrophic lateral sclerosis (ALS);

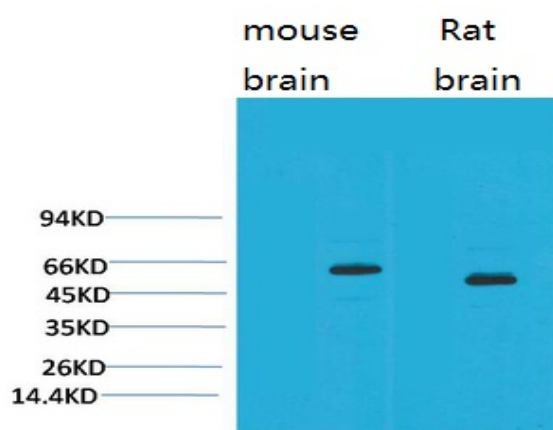
Background : This gene encodes a member of a family of solute transporter proteins. The membrane-bound protein is the principal transporter that clears the excitatory neurotransmitter glutamate from the extracellular space at synapses in the central nervous system. Glutamate clearance is necessary for 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 .

Expression : Brain,Brain cortex,Pancreas,

Products Images



Western blot analysis of 1) Mouse Brain Tissue, 2) Rat Brain Tissue with EAAT2 Rabbit pAb diluted at 1:2,000.