

## EAA2 rabbit pAb

<b>Catalog No :</b>	YT7964
<b>Reactivity :</b>	Human;Rat;Mouse
<b>Applications :</b>	WB;ELISA
<b>Target :</b>	EAAT2
<b>Fields :</b>	>>Synaptic vesicle cycle;>>Glutamatergic synapse;>>Amyotrophic lateral sclerosis;>>Huntington disease
<b>Gene Name :</b>	SLC1A2 EAAT2 GLT1
<b>Protein Name :</b>	EAA2
<b>Human Gene Id :</b>	6506
<b>Human Swiss Prot No :</b>	P43004
<b>Mouse Gene Id :</b>	20511
<b>Mouse Swiss Prot No :</b>	P43006
<b>Rat Gene Id :</b>	29482
<b>Rat Swiss Prot No :</b>	P31596
<b>Immunogen :</b>	Synthesized peptide derived from human EAA2
<b>Specificity :</b>	This antibody detects endogenous levels of Human,Rat,Mouse EAA2
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:1000-2000 ELISA 1:5000-20000

**Purification :** The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

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**Concentration :** 1 mg/ml

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**Storage Stability :** -15°C to -25°C/1 year(Do not lower than -25°C)

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**Molecularweight :** 63kD

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**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],

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**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.,

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**Subcellular Location :** Cell membrane ; Multi-pass membrane protein .

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## Products Images