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**Product Name: EAAT2 Rabbit Monoclonal Antibody****Catalog #: AMRe86630**

For research use only.

**Summary**

<b>Description</b>	Recombinant rabbit monoclonal antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IHC,IP
<b>Reactivity</b>	Mouse,Rat
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	2.4mg/ml. The concentration of this product may be batch-dependent.
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% protective protein. Stable for 12 months from date of receipt.
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:2000,IHC 1:200-1:1000,IP 1:20-1:50
<b>Molecular Weight</b>	Calculated MW:62 kDa; Observed MW:65 kDa

**Antigen Information**

<b>Gene Name</b>	EAAT2
<b>Alternative Names</b>	GLT1; Eaat2; GLT-1; MGLT1; AI159670; 1700091C19Rik; 2900019G14Rik
<b>Gene ID</b>	20511
<b>SwissProt ID</b>	P43006
<b>Immunogen</b>	Recombinant protein of mouse EAAT2

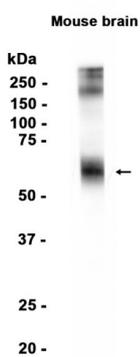
**Background**

Sodium-dependent, high-affinity amino acid transporter that mediates the uptake of L-glutamate and also L-aspartate and D-aspartate (PubMed:7698742, PubMed:7557442, PubMed:9373176). Functions as a symporter that transports one amino acid

molecule together with two or three Na<sup>+</sup> ions and one proton, in parallel with the counter-transport of one K<sup>+</sup> ion. Mediates Cl<sup>-</sup> flux that is not coupled to amino acid transport; this avoids the accumulation of negative charges due to aspartate and Na<sup>+</sup> symport (By similarity). Essential for the rapid removal of released glutamate from the synaptic cleft, and for terminating the postsynaptic action of glutamate (PubMed:9180080).

## Research Area

## Image Data



Western blot analysis of extracts from Mouse brain tissue using EAAT2 Rabbit Monoclonal Antibody at 1:1000.