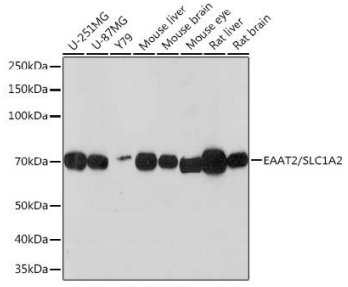
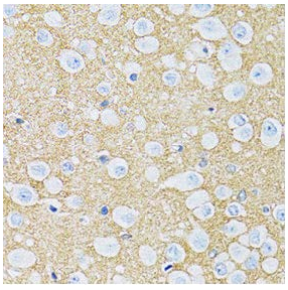
Product Data Sheet: Glutamate Transporter 2 (GLT1/EAAT2) Rabbit Polyclonal Antibody

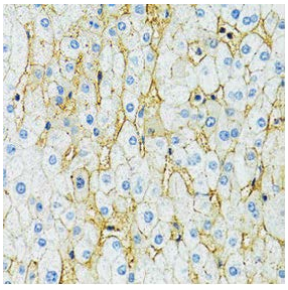
Cat. No:	AB-82459
Conjugate:	Unconjugated
Size:	100 ug
Clone:	POLY
Concentration:	1mg/ml
Host:	Rabbit
Isotype:	IgG
Immunogen:	Recombinant protein of human EAAT2 /GLT-1/ SLC1A2.
Reactivity:	Human, Mouse, Rat
Applications:	Western Blot: 1:2,500 Immunohistochemistry: 1: 100
Molecular Weight:	65 kDA
Purification:	Protein A affinity purified
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.
Form:	Liquid
Buffer:	PBS (pH7.4) with 0.02% sodium azide, 50% glycerol pH 7.3.
Storage:	Ship at 2-8°C . Store at RT for short term. Store at -20°C for one year. Avoid repeated freeze and thaw cycles.



Western blot analysis of extracts of various cell lines, using GLT1 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit Exposure time: 15s.



Immunohistochemistry of paraffin-embedded rat brain using GLT1 antibody at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded human liver using GLT1 antibody at dilution of 1:100 (40x lens).

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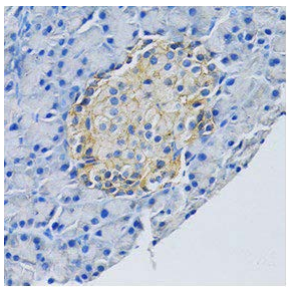

Immunohistochemistry of paraffin-embedded rat pancreas using GLT1 antibody at dilution of 1:100 (40x lens).

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