# EAAT2 Mouse mAb

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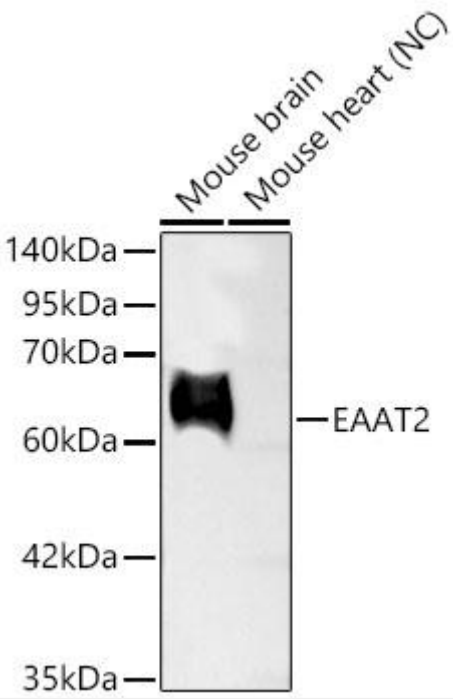
| **Catalog No** | YP-mAb-18489 |
| **Isotype** | IgG |
| **Reactivity** | Human,Mouse,Rat |
| **Applications** | WB |
| **Gene Name** | |
| **Protein Name** | |
| **Immunogen** | A synthetic peptide corresponding to a sequence within amino acids 470-574 of human EAAT2(NP_004162.2). |
| **Specificity** | |
| **Formulation** | |
| **Source** | |
| **Purification** | Affinity purification |
| **Dilution** | WB 1:9000 - 1:36000 |
| **Concentration** | 1 mg/ml |
| **Purity** | ≥90% |
| **Storage Stability** | -20°C/1 year |
| **Synonyms** | GLT1; HBGT; DEE41; EAAT2; GLT-1; EIEE41; EAAT2/SLC1A2 |
| **Observed Band** | 62kDa |
| **Cell Pathway** | |
| **Tissue Specificity** | |
| **Function** | |
| **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. Improper regulation of this gene is thought to be associated with several neurological disorders. Alternatively spliced transcript variants of this gene have been identified. |
| **matters needing attention** | Avoid repeated freezing and thawing! |

**Usage suggestions** This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images




Western blot analysis of various lysates using EAAT2 Mouse mAb (A25213) at 1:9000 dilution. Secondary antibody: HRP-conjugated Goat anti-Mouse IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Negative control (NC): Mouse heart. Exposure time: 30s.