

RecomAb™

SLC1A2 recombinant monoclonal antibody, clone R02-1J4

Catalog # RAB06474 Size 100 uL

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human SLC1A2.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant protein corresponding to human SLC1A2.
Theoretical MW (kDa)	Calculated MW: 62 kD
Reactivity	Human, Mouse, Rat
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunoprecipitation(1:20) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end use.
Storage Buffer	In PBS, 150 mM NaCl, pH 7.4 (50% glycerol and 0.02% Sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot
- Immunoprecipitation

Gene Info — SLC1A2

Entrez GeneID [6506](#)

Gene Name SLC1A2

Gene Alias EAAT2, GLT-1

Gene Description solute carrier family 1 (glial high affinity glutamate transporter), member 2

Omim ID [600300](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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 extra cellular 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 described, but their full-length nature is not known. [provided by RefSeq]

Other Designations excitatory amino acid transporter 2|excitotoxic amino acid transporter 2|glial high affinity glutamate transporter|glutamate/aspartate transporter||sodium-dependent glutamate/aspartate transporter 2|solute carrier family 1, member 2

Pathway

- [Amyotrophic lateral sclerosis \(ALS\)](#)

Disease

- [Alcoholism](#)
- [Child Development Disorders](#)
- [Cognition](#)
- [Genetic Predisposition to Disease](#)
- [Mental Disorders](#)
- [Multiple Sclerosis](#)
- [Personality Tests](#)

- [Postmortem Changes](#)
- [Reward](#)
- [Schizophrenia](#)
- [Schizophrenic Psychology](#)
- [Tobacco Use Disorder](#)
- [Weight Gain](#)