

# SLC1A2 rabbit monoclonal antibody

Catalog # H00006506-K      Size 100 ug x up to 3

## Specification

Product Description	Rabbit monoclonal antibody raised against a human SLC1A2 peptide using ARM Technology.
Immunogen	A synthetic peptide of human SLC1A2 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen ( <a href="#">ARM Technology</a> ).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human SLC1A2 peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) <sub>2</sub> , IgG, scFv and different Fc and non-Fc conjugates per customer request.

## Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

## Gene Info — SLC1A2

Entrez GeneID	<a href="#">6506</a>
GeneBank Accession#	<a href="#">SLC1A2</a>
Gene Name	SLC1A2
Gene Alias	EAAT2, GLT-1
Gene Description	solute carrier family 1 (glial high affinity glutamate transporter), member 2
Omim ID	<a href="#">600300</a>
Gene Ontology	<a href="#">Hyperlink</a>
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 II 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](#)