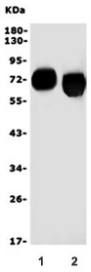
SLC1A1 Antibody / EAAT3 (RQ5837)

Catalog No.	Formulation	Size
RQ5837	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	P43005
Applications	Western blot: 0.5-1ug/ml Direct ELISA: 0.1-0.5ug/ml
Limitations	This SLC1A1 antibody is available for research use only.



Western blot testing of 1) rat kidney and 2) mouse kidney lysate with SLC1A1 antibody. Expected molecular weight: 57-70 kDa.

Description

Solute carrier family 1 member 1, also called SLC1A1, is a protein that in humans is encoded by the SLC1A1 gene. By Southern analysis of a panel of human/rodent somatic cell hybrids and by fluorescence in situ hybridization(FISH), this gene is mapped to 9p24.2. This gene encodes a member of the high-affinity glutamate transporters that play an essential role in transporting glutamate across plasma membranes. In brain, these transporters are crucial in terminating the postsynaptic action of the neurotransmitter glutamate, and in maintaining extracellular glutamate concentrations below neurotoxic levels. This transporter also transports aspartate, and mutations in this gene are though to cause

dicarboxylicamino aciduria, also known as glutamate-aspartate transport defect.

Application Notes

Optimal dilution of the SLC1A1 antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids Q160-F524) was used as the immunogen for the SLC1A1 antibody.

Storage

After reconstitution, the SLC1A1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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