

## Basic Information

Product Name	Anti-GLAST/SLC1A3 Antibody
Gene Name	SLC1A3
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	mouse, rat
Tested Application	WB
Contents	500 ug/ml antibody with PBS, 0.02% NaN <sub>3</sub> , 1 mg/ml BSA and 50% glycerol.
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human EAAT1 different from the related mouse sequence by three amino acids, and identical to the related rat sequence.
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	60 kDa
Dilution Ratios	Western blot (WB):1:500-2000

## Storage

12 months from date of receipt, -20°C as supplied.

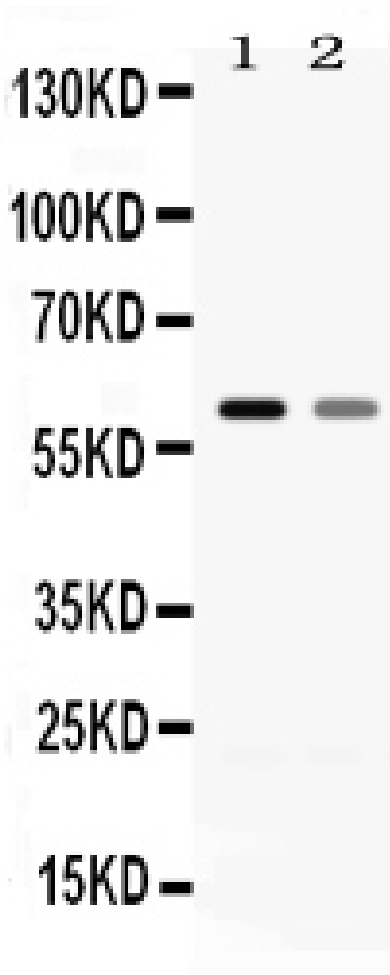
## Background Information

Solute carrier family 1 (glial high-affinity glutamate transporter), member 3, also known as SLC1A3, EAAT1 or GLAST, is a protein that in humans is encoded by the SLC1A3 gene. This gene is a member of high affinity glutamate transporter family. It is mapped to chromosome 5p13.2 by fluorescence in situ hybridization (FISH). And this gene transports L-glutamate and also L- and D-aspartate. It is essential for terminating the postsynaptic action of glutamate by rapidly removing released glutamate from the synaptic cleft. Furthermore, this gene acts as a symport by cotransporting sodium.

## Reference

Anti-GLAST/SLC1A3 Antibody被引用在2文献中。

## Selected Validation Data



Western blot analysis of GLAST/SLC1A3 using anti-GLAST/SLC1A3 antibody (PB0984). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: rat brain tissue lysates,

Lane 2: mouse brain tissue lysates.

After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-GLAST/SLC1A3 antigen affinity purified polyclonal antibody (PB0984) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054).

The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for GLAST/SLC1A3 at approximately 60 kDa. The expected band size for GLAST/SLC1A3 is at 60 kDa.