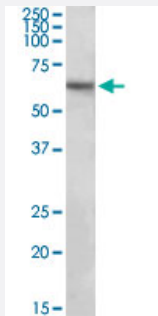


SLC1A3 polyclonal antibody

Catalog # PAB27640 Size 100 ug

Applications



Western Blot (Tissue lysate)

SLC1A3 polyclonal antibody (Cat # PAB27640) (2ug/ml) staining of human hippocampus lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Specification

Product Description Goat polyclonal antibody raised against synthetic peptide of SLC1A3.

Immunogen A synthetic peptide corresponding to C-terminus of human SLC1A3.

Sequence DNETEKPIDSETK

Host Goat

Theoretical MW (kDa) 60

Reactivity Human

Purification Antigen affinity purification

Concentration 0.5 mg/mL

Recommend Usage
ELISA (1:8000)
Western Blot (1-3ug/ml)
The optimal working dilution should be determined by the end user.

Storage Buffer In Tris saline, pH 7.3 (0.02% sodium azide, 0.5% BSA)

Storage Instruction

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 (Tissue lysate)

SLC1A3 polyclonal antibody (Cat # PAB27640) (2ug/ml) staining of human hippocampus lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Gene Info — SLC1A3

Entrez GeneID[6507](#)**Protein Accession#**[NP_004163.3;NP_001160167.1](#)**Gene Name**

SLC1A3

Gene Alias

EA6, EAAT1, FLJ25094, GLAST, GLAST1

Gene Description

solute carrier family 1 (glial high affinity glutamate transporter), member 3

Omim ID[600111](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

Glutamate and aspartate are excitatory neurotransmitters that have been implicated in a number of pathologic states of the nervous system. Accumulation of extracellular excitatory amino acids can be cytotoxic and may also lower the seizure threshold in epilepsy. EAAT1 (SLC1A3) is a member of a family of high-affinity sodium-dependent transporter molecules that regulate neurotransmitter concentrations at the excitatory glutamatergic synapses of the mammalian central nervous system (Kirschner et al., 1994 [PubMed 8001975]).[supplied by OMIM]

Other Designations

glutamate transporter variant EAAT1ex9skip

Disease

- [Attention Deficit Disorder with Hyperactivity](#)
- [Autistic Disorder](#)
- [Cardiovascular Diseases](#)

- [Cognition](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Mental Disorders](#)
- [Mental Retardation](#)
- [Psychotic Disorders](#)
- [Schizophrenia](#)
- [Schizophrenic Psychology](#)
- [Tourette Syndrome](#)
- [Weight Gain](#)