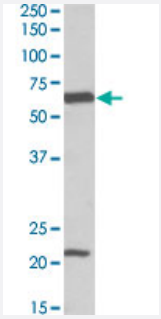
SLC1A3 polyclonal antibody

Catalog # PAB27643 Size 100 ug

Applications



Western Blot (Tissue lysate)

SLC1A3 polycolnal antibody (Cat # PAB27643) (0.1ug/ml) staining of human frontal cortex 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 amino acids 197-208 at internal region of human SLC1A3.
Sequence	RSFKVPIQANET
Host	Goat
Theoretical MW (kDa)	60
Reactivity	Human, Rat
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Recommend Usage	ELISA (1:128000) Western Blot (0.1-0.3ug/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)

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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 shoul d be handled by trained staff only.

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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 c an be cytotoxic and may also lower the seizure threshold in epilepsy. EAAT1 (SLC1A3) is a mem ber of a family of high-affinity sodium-dependent transporter molecules that regulate neurotransmit ter concentrations at the excitatory glutamatergic synapses of the mammalian central nervous syst em (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

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

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