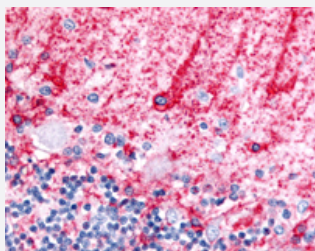


SLC1A3 polyclonal antibody

Catalog # PAB28368

Size 50 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) of human brain cerebellum with SLC1A3 polyclonal antibody (Cat # PAB28368). Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of SLC1A3.
Immunogen	A synthetic peptide corresponding to 15 amino acids at cytoplasmic domain of human SLC1A3.
Host	Rabbit
Reactivity	Human, Monkey
Specificity	BLAST analysis of the peptide immunogen showed no homology with other human proteins.
Form	Liquid
Purification	Immunoaffinity chromatography
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (2.5 ug/ml) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -80°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

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Gene Info — SLC1A3

Entrez GeneID [6507](#)

Protein Accession# [P43003](#)

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](#)