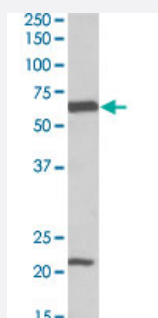


# SLC1A3 polyclonal antibody

Catalog # PAB27643      Size 100 ug

## Applications



### Western Blot (Tissue lysate)

SLC1A3 polyclonal 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

|                             |                                                                                                                       |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>  | Goat polyclonal antibody raised against synthetic peptide of SLC1A3.                                                  |
| <b>Immunogen</b>            | A synthetic peptide corresponding to amino acids 197-208 at internal region of human SLC1A3.                          |
| <b>Sequence</b>             | RSFKVPIQANET                                                                                                          |
| <b>Host</b>                 | Goat                                                                                                                  |
| <b>Theoretical MW (kDa)</b> | 60                                                                                                                    |
| <b>Reactivity</b>           | Human, Rat                                                                                                            |
| <b>Purification</b>         | Antigen affinity purification                                                                                         |
| <b>Concentration</b>        | 0.5 mg/mL                                                                                                             |
| <b>Recommend Usage</b>      | ELISA (1:128000)<br>Western Blot (0.1-0.3ug/ml)<br>The optimal working dilution should be determined by the end user. |
| <b>Storage Buffer</b>       | 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.

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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 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](#)
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