

**EAAT4 Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP55047**

### Specification

---

#### EAAT4 Polyclonal Antibody - Product Information

Application	WB, IHC-P, IHC-F, IF, ICC, E
Primary Accession	<a href="#">P48664</a>
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	61565

#### EAAT4 Polyclonal Antibody - Additional Information

Gene ID 6511

#### Other Names

Excitatory amino acid transporter 4, Sodium-dependent glutamate/aspartate transporter, Solute carrier family 1 member 6, SLC1A6, EAAT4

#### Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

#### Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

#### EAAT4 Polyclonal Antibody - Protein Information

Name SLC1A6 ([HGNC:10944](#))

Synonyms EAAT4

#### Function

Sodium-dependent, high-affinity amino acid transporter that mediates the uptake of L-glutamate and also L-aspartate and D-aspartate (PubMed:<a href="http://www.uniprot.org/citations/26690923" target="\_blank">26690923</a>, PubMed:<a href="http://www.uniprot.org/citations/7791878" target="\_blank">7791878</a>). Functions as a symporter that transports one amino acid molecule together with two or three Na(+) ions and one proton, in parallel with the counter-transport of one K(+) ion. Mediates Cl(-) flux that is not coupled to amino acid transport; this avoids the accumulation of negative charges due to aspartate and Na(+) symport (PubMed:<a href="http://www.uniprot.org/citations/7791878" target="\_blank">7791878</a>). Plays a redundant role in the rapid removal of released glutamate from the synaptic cleft, which is essential for terminating the postsynaptic action of glutamate (Probable).

#### Cellular Location

Cell membrane; Multi-pass membrane protein

**Tissue Location**

Brain, mainly in the cerebellum (PubMed:7791878). Expressed densely and selectively in cell bodies of Purkinje cells

**EAAT4 Polyclonal Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**EAAT4 Polyclonal Antibody - Images**