

**SLC38A8 Antibody - C-terminal region**  
**Rabbit Polyclonal Antibody**  
**Catalog # AI15970****Specification**

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**SLC38A8 Antibody - C-terminal region - Product Information**

Application	WB
Primary Accession	<a href="#">A6NNN8</a>
Other Accession	<a href="#">NM_001080442</a> , <a href="#">NP_001073911</a>
Reactivity	Human, Mouse, Rat, Rabbit, Horse, Bovine, Guinea Pig, Dog
Predicted	Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	47kDa kDa

**SLC38A8 Antibody - C-terminal region - Additional Information****Gene ID** 146167**Other Names**

Putative sodium-coupled neutral amino acid transporter 8, Solute carrier family 38 member 8, SLC38A8

**Format**

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

**Reconstitution & Storage**

Add 50 µl of distilled water. Final Anti-SLC38A8 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles.

**Precautions**

SLC38A8 Antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

**SLC38A8 Antibody - C-terminal region - Protein Information****Name** SLC38A8 {ECO:0000250|UniProtKB:Q5HZH7, ECO:0000312|HGNC:HGNC:32434}**Function**

Electrogenic sodium-dependent amino acid transporter with a preference for L-glutamine, L-alanine, L-histidine, L-aspartate and L- arginine. May facilitate glutamine uptake in both excitatory and inhibitory neurons. The transport mechanism and stoichiometry remain to be elucidated.

**Cellular Location**

Membrane {ECO:0000250|UniProtKB:Q5HZH7}; Multi-pass membrane protein. Cytoplasm, cell cortex {ECO:0000250|UniProtKB:Q5HZH7}. Cell projection, axon {ECO:0000250|UniProtKB:Q5HZH7}

#### **Tissue Location**

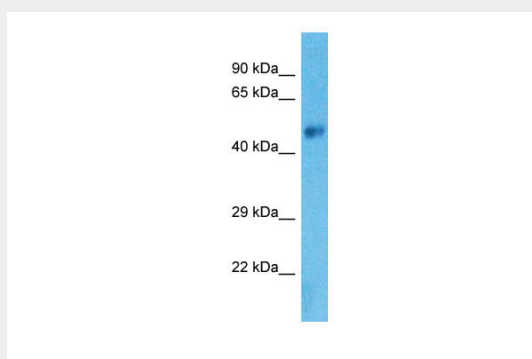
Expressed in fetal and adult brain, and spinal cord. In the brain, it is localized in the cell body and axon of the majority of neuronal cells and in a subset of glial cells. Found throughout the neuronal retina, with higher expression levels in the inner and outer plexiform layers and the photoreceptor layer. Very weak expression is also present in the kidneys, thymus, and testes

#### **SLC38A8 Antibody - C-terminal region - 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](#)

#### **SLC38A8 Antibody - C-terminal region - Images**



Host: Rabbit  
Target Name: SLC38A8  
Sample Tissue: Fetal Brain lysates  
Antibody Dilution: 1.0µg/ml

#### **SLC38A8 Antibody - C-terminal region - Background**

Putative sodium-dependent amino acid/proton antiporter.

#### **SLC38A8 Antibody - C-terminal region - References**

Martin J., et al. Nature 432:988-994(2004).  
Poulter J.A., et al. Am. J. Hum. Genet. 93:1143-1150(2013).  
Perez Y., et al. Eur. J. Hum. Genet. 22:703-706(2014).