

**SLC38A8 Antibody (Center) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP12688c****Specification**

---

**SLC38A8 Antibody (Center) Blocking peptide - Product Information**Primary Accession [A6NNN8](#)**SLC38A8 Antibody (Center) Blocking peptide - Additional Information****Gene ID** 146167**Other Names**

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

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**SLC38A8 Antibody (Center) Blocking peptide - Protein Information****Name** SLC38A8 {ECO:0000250|UniProtKB:Q5HZZH7, 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:Q5HZZH7}; Multi- pass membrane protein. Cytoplasm, cell cortex {ECO:0000250|UniProtKB:Q5HZZH7}. Cell projection, axon {ECO:0000250|UniProtKB:Q5HZZH7}

**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 (Center) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

**SLC38A8 Antibody (Center) Blocking peptide - Images****SLC38A8 Antibody (Center) Blocking peptide - Background**

SLC38A8 is a putative sodium-dependent amino acid/proton antiporter (By similarity).

**SLC38A8 Antibody (Center) Blocking peptide - References**

Rose, J. Phd, et al. Mol. Med. (2010) In press :Venter, J.C., et al. Science  
291(5507):1304-1351(2001)