

**SLC28A2 Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP7738c****Specification**

---

**SLC28A2 Antibody (Center) Blocking Peptide - Product Information**Primary Accession [Q62773](#)**SLC28A2 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 60423**Other Names**

Sodium/nucleoside cotransporter 2, Concentrative nucleoside transporter 2, CNT 2, rCNT2, Na(+)/nucleoside cotransporter 2, Sodium-coupled nucleoside transporter 2, Sodium/purine nucleoside cotransporter, SPNT, Solute carrier family 28 member 2, Slc28a2, Cnt2, Spnt

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP7738c](/products/AP7738c) was selected from the Center region of human SLC28A2. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**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.

**SLC28A2 Antibody (Center) Blocking Peptide - Protein Information****Name** Slc28a2**Synonyms** Cnt2, Spnt {ECO:0000303|PubMed:7775409}**Function**

Sodium-dependent and purine-selective (PubMed: [7775409](http://www.uniprot.org/citations/7775409), PubMed: [8967974](http://www.uniprot.org/citations/8967974), PubMed: [1315767](http://www.uniprot.org/citations/1315767)). Exhibits the transport characteristics of the nucleoside transport system cif or N1 subtype (N1/cif) (selective for purine nucleosides and uridine) (PubMed: [7775409](http://www.uniprot.org/citations/7775409), PubMed: [8967974](http://www.uniprot.org/citations/8967974), PubMed: [1315767](http://www.uniprot.org/citations/1315767))

target="\_blank">1315767</a>). Accepts purine, analogs of purine nucleosides and uridine, and exhibits high affinity for adenosine (PubMed:<a href="http://www.uniprot.org/citations/7775409" target="\_blank">7775409</a>). May contribute to regulate the transport of organic compounds in testes across the blood-testis-barrier (By similarity).

#### **Cellular Location**

Membrane {ECO:0000250|UniProtKB:O43868}; Multi-pass membrane protein. Apicolateral cell membrane {ECO:0000250|UniProtKB:O43868}; Multi-pass membrane protein

#### **Tissue Location**

Expressed in liver (in bile canalicular membrane vesicles (CMV) but not in sinusoidal vesicles), jejunum, spleen and heart (PubMed:7775409). Also expressed in brain and skeletal muscle (PubMed:7775409). Not expressed in kidney, muscle and lung (PubMed:7775409).

### **SLC28A2 Antibody (Center) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

### **SLC28A2 Antibody (Center) Blocking Peptide - Images**

### **SLC28A2 Antibody (Center) Blocking Peptide - Background**

SLC28A2 regulates adenosine transport across the blood-brain barrier into the brain.

### **SLC28A2 Antibody (Center) Blocking Peptide - References**

Li,L., Pharmacogenet. Genomics 17 (9), 783-786 (2007)