10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

SLC28A2 Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP7738b

Specification

SLC28A2 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession Q62773

SLC28A2 Antibody (C-term) 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 AP7738b was selected from the C-term 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 (C-term) Blocking Peptide - Protein Information

Name Slc28a2

Synonyms Cnt2, Spnt {ECO:0000303|PubMed:7775409}

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

target="_blank">1315767). Accepts purine, analogs of purine nucleosides and uridine, and exhibits high affinity for adenosine (PubMed:7775409). 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 (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

SLC28A2 Antibody (C-term) Blocking Peptide - Images

SLC28A2 Antibody (C-term) Blocking Peptide - Background

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

SLC28A2 Antibody (C-term) Blocking Peptide - References

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