

SLC2A9 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP16871a**Specification**

SLC2A9 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q9NRM0](#)**SLC2A9 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 56606**Other Names**

Solute carrier family 2, facilitated glucose transporter member 9, Glucose transporter type 9, GLUT-9, SLC2A9, GLUT9

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.

SLC2A9 Antibody (N-term) Blocking Peptide - Protein Information**Name** SLC2A9 {ECO:0000303|PubMed:10860667, ECO:0000312|HGNC:HGNC:13446}**Function**

High-capacity urate transporter, which may play a role in the urate reabsorption by proximal tubules (PubMed:18327257, PubMed:28083649, PubMed:22647630, PubMed:18701466, PubMed:36749388). May have a residual high-affinity, low-capacity glucose and fructose transporter activity (PubMed:18842065, PubMed:18327257, PubMed:18701466). Transports urate at rates 45- to 60-fold faster than glucose (PubMed:18842065). Does not transport galactose (PubMed:28083649). May mediate small uptake of adenine but not of other nucleobases (PubMed:22647630).

Cellular Location

[Isoform 1]: Cell membrane; Multi-pass membrane protein. Basolateral cell membrane; Multi-pass membrane protein

Tissue Location

[Isoform 1]: Most strongly expressed in basolateral membranes of proximal renal tubular cells, liver and placenta. Also detected in lung, blood leukocytes, heart skeletal muscle and chondrocytes from articular cartilage. Detected in kidney membrane (at protein level).

SLC2A9 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

SLC2A9 Antibody (N-term) Blocking Peptide - Images**SLC2A9 Antibody (N-term) Blocking Peptide - Background**

This gene encodes a member of the SLC2A facilitative glucose transporter family. Members of this family play a significant role in maintaining glucose homeostasis. The encoded protein may play a role in the development and survival of chondrocytes in cartilage matrices. Two transcript variants encoding distinct isoforms have been identified for this gene.

SLC2A9 Antibody (N-term) Blocking Peptide - References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :Facheris, M.F., et al. J. Mol. Neurosci. (2010) In press :Houlihan, L.M., et al. Hum. Mol. Genet. 19(11):2321-2330(2010)Urano, W., et al. Ann. Rheum. Dis. 69(5):932-933(2010)Tabara, Y., et al. Am. J. Nephrol. 32(3):279-286(2010)