

SLC22A18 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP17804a**Specification**

SLC22A18 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q96BI1](#)**SLC22A18 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 5002**Other Names**

Solute carrier family 22 member 18, Beckwith-Wiedemann syndrome chromosomal region 1 candidate gene A protein, Efflux transporter-like protein, Imprinted multi-membrane-spanning polyspecific transporter-related protein 1, Organic cation transporter-like protein 2, ORCTL-2, Solute carrier family 22 member 1-like, Tumor-suppressing STF cDNA 5 protein, Tumor-suppressing subchromosomal transferable fragment candidate gene 5 protein, p45-Beckwith-Wiedemann region 1 A, p45-BWR1A, SLC22A18

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.

SLC22A18 Antibody (N-term) Blocking Peptide - Protein Information**Name** SLC22A18**Function**

May act as a transporter of organic cations based on a proton efflux antiport mechanism. May play a role in the transport of chloroquine and quinidine-related compounds in kidney.

Cellular Location

Apical cell membrane; Multi-pass membrane protein. Note=Localized at the apical membrane surface of renal proximal tubules.

Tissue Location

Expressed at high levels in adult and fetal kidney and liver, and adult colon. Expressed in fetal renal proximal tubules (at protein level). Expressed at lower levels in heart, brain and lung

SLC22A18 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

SLC22A18 Antibody (N-term) Blocking Peptide - Images

SLC22A18 Antibody (N-term) Blocking Peptide - Background

This gene is one of several tumor-suppressing subtransferable fragments located in the imprinted gene domain of 15p15.5, an important tumor-suppressor gene region. Alterations in this region have been associated with the Beckwith-Wiedemann syndrome, Wilms tumor, rhabdomyosarcoma, adrenocortical carcinoma, and lung, ovarian, and breast cancer. This gene is imprinted, with preferential expression from the maternal allele. Mutations in this gene have been found in Wilms' tumor and lung cancer. This protein may act as a transporter of organic cations, and have a role in the transport of chloroquine and quinidine-related compounds in kidney. Two alternatively spliced transcript variants encoding the same protein have been described.

SLC22A18 Antibody (N-term) Blocking Peptide - References

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Ali, A.M., et al. Gene 429 (1-2), 37-43 (2009)
Onyango, P., et al. Genome Res. 10(11):1697-1710(2000)