

SLC22A13 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP18304c**Specification**

SLC22A13 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [O9Y226](#)**SLC22A13 Antibody (Center) Blocking Peptide - Additional Information**

Gene ID 9390

Other Names

Solute carrier family 22 member 13, Organic cation transporter-like 3, ORCTL-3, SLC22A13, OCTL1, ORCTL3

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.

SLC22A13 Antibody (Center) Blocking Peptide - Protein InformationName SLC22A13 ([HGNC:8494](#))**Function**

Anion antiporter that mediates the transport of urate, orotate and nicotinate in exchange for organic or inorganic anions (PubMed: [18411268](http://www.uniprot.org/citations/18411268), PubMed: [35144162](http://www.uniprot.org/citations/35144162), PubMed: [31780526](http://www.uniprot.org/citations/31780526), PubMed: [35462902](http://www.uniprot.org/citations/35462902)). Translocates urate and orotate across the apical membrane of proximal tubule epithelial cells and involved in urate renal reabsorption (PubMed: [18411268](http://www.uniprot.org/citations/18411268), PubMed: [35144162](http://www.uniprot.org/citations/35144162), PubMed: [31780526](http://www.uniprot.org/citations/31780526)). Possibly involved in orotate renal reabsorption and nicotinate intestinal reabsorption (PubMed: [18411268](http://www.uniprot.org/citations/18411268), PubMed: [35144162](http://www.uniprot.org/citations/35144162)). Mediates urate uptake by an exchange with organic anions such as (S)-lactate, succinate, glutathione and nicotinate (PubMed: [18411268](http://www.uniprot.org/citations/18411268)). Urate and orotate transports are Cl(-)-dependent (PubMed: [35144162](http://www.uniprot.org/citations/35144162), PubMed: [35144162](http://www.uniprot.org/citations/35144162)).

href="http://www.uniprot.org/citations/35462902" target="_blank">35462902). Shows similar transport characteristics as the urate/orotate renal antiporter SLC22A12/URAT1 and may act as a compensator of SLC22A12/URAT1 in certain conditions (Probable).

Cellular Location

Apical cell membrane; Multi-pass membrane protein

Tissue Location

Ubiquitous (PubMed:10072596). Highly expressed in kidneys and to a weaker extent in brain, heart, and intestine (PubMed:18411268). In kidneys, expressed in proximal convoluted tubule (PubMed:18411268, PubMed:31780526, PubMed:35462902). In kidneys, also expressed in cortical collecting duct, whereas glomerulus and thick ascending limb exhibit no expression (PubMed:18411268)

SLC22A13 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

SLC22A13 Antibody (Center) Blocking Peptide - Images

SLC22A13 Antibody (Center) Blocking Peptide - Background

This gene encodes a member of the organic-cationtransporter family. It is located in a gene cluster with another member of the family, organic cation transporter like 4. The encoded protein is a transmembrane protein involved in the transport of small molecules. This protein can function to mediate urate uptake and is a high affinity nicotinate exchanger in the kidneys and the intestine.

SLC22A13 Antibody (Center) Blocking Peptide - References

Rose, J. Phd, et al. Mol. Med. (2010) In press :Tzvetkov, M.V., et al. Clin. Pharmacol. Ther. 86(3):299-306(2009)Irshad, S., et al. Cell Death Differ. 16(6):890-898(2009)Bahn, A., et al. J. Biol. Chem. 283(24):16332-16341(2008)Daigo, Y., et al. DNA Res. 6(1):37-44(1999)