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SLC22A14 Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP5803a

Specification

SLC22A14 Antibody (N-term) Blocking peptide - Product Information

Primary Accession	Q9Y267
Other Accession	NP_004794.2

SLC22A14 Antibody (N-term) Blocking peptide - Additional Information

Gene ID 9389

Other Names
Solute carrier family 22 member 14, Organic cation transporter-like 4, ORCTL-4, SLC22A14, OCTL2, ORCTL4

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.

SLC22A14 Antibody (N-term) Blocking peptide - Protein Information

Name SLC22A14 {ECO:0000303|PubMed:33882315, ECO:0000312|HGNC:HGNC:8495}

Function
Riboflavin transporter localized at the inner mitochondrial membrane of the spermatozoa midpiece, which is required for male fertility (By similarity). SLC22A14-mediated riboflavin transport is essential for spermatozoa energy generation and motility: riboflavin is the precursor of FMN and FAD, which are coenzymes of many enzymes in the TCA cycle (the citric acid cycle) in mitochondria (By similarity). Required for sperm motility and normal sperm flagellar structure (By similarity).

Cellular Location
Mitochondrion inner membrane; Multi-pass membrane protein. Cell projection, cilium, flagellum membrane {ECO:0000250|UniProtKB:Q497L9}; Multi-pass membrane protein. Note=Localizes to the principle piece of the sperm tail {ECO:0000250|UniProtKB:Q497L9}

Tissue Location
Ubiquitous..

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SLC22A14 Antibody (N-term) Blocking peptide - Protocols

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

- Blocking Peptides

SLC22A14 Antibody (N-term) Blocking peptide - Images

SLC22A14 Antibody (N-term) Blocking peptide - Background

SLC22A14 is a member of the organic-cationtransporter family. It is located in a gene cluster with anothermember of the family, organic cation transporter like 3. Theencoded protein is a transmembrane protein which is thought totransport small molecules and since this protein is conserved amongseveral species, it is suggested to have a fundamental role inmammalian systems.

SLC22A14 Antibody (N-term) Blocking peptide - References

Daigo, Y., et al. Cancer Res. 59(8):1966-1972(1999)Daigo, Y., et al. DNA Res. 6(1):37-44(1999)Nishiwaki, T., et al. Cytogenet. Cell Genet. 83 (3-4), 251-255 (1998) :