

SLC22A16 Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF2542a**Specification**

SLC22A16 Antibody (internal region) - Product Information

Application	E
Primary Accession	Q86VW1
Other Accession	NP_149116.2 , 85413
Predicted	Human
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	64614

SLC22A16 Antibody (internal region) - Additional Information**Gene ID** 85413**Other Names**

Solute carrier family 22 member 16, Carnitine transporter 2, CT2, Fly-like putative transporter 2, FLIPT2, Flipt 2, Organic cation transporter OKB1, Organic cation/carnitine transporter 6, SLC22A16, OCT6

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

SLC22A16 Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

SLC22A16 Antibody (internal region) - Protein Information**Name** SLC22A16 ([HGNC:20302](#))**Synonyms** OCT6**Function**

Facilitative organic cation transporter that mediates the transport of carnitine as well as the polyamine spermidine (PubMed: <http://www.uniprot.org/citations/12089149> target="_blank">12089149, PubMed: <http://www.uniprot.org/citations/20037140> target="_blank">20037140). Mediates the partially Na(+)- dependent bidirectional transport

of carnitine (PubMed:12089149). May mediate L-carnitine secretion from testis epididymal epithelium into the lumen which is involved in the maturation of spermatozoa (PubMed:12089149).

Cellular Location

Cell membrane; Multi-pass membrane protein. Note=Detected in the plasma membrane of Sertoli cells and in the luminal membrane of epithelial cells in the epididymis

Tissue Location

Expressed in testis and epididymis (at protein level) (PubMed:12384147, PubMed:12089149, PubMed:15963465). Expressed in endometrium (at protein level); highly expressed during the normal secretory phase, but expression is significantly reduced in the proliferative phase (PubMed:17197897). Expressed at lower levels in adult tissues including bone marrow (at protein level) (PubMed:12372408, PubMed:12384147, PubMed:15963465). Expressed in hematopoietic cells, including CD34(+) leukocytes (PubMed:12384147) Expressed in fetal liver (at protein level), brain, lung, kidney, heart, skeletal muscle, spleen and thymus (PubMed:12372408, PubMed:12384147, PubMed:15963465). Expressed in leukemia cells (PubMed:12384147). Abundantly expressed in ovarian cancer clear-cell adenocarcinoma (PubMed:17581421).

SLC22A16 Antibody (internal region) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

SLC22A16 Antibody (internal region) - Images

SLC22A16 Antibody (internal region) - References

Molecular identification of a novel carnitine transporter specific to human testis. Insights into the mechanism of carnitine recognition. Enomoto A, Wempe MF, Tsuchida H, Shin HJ, Cha SH, Anzai N, Goto A, Sakamoto A, Niwa T, Kanai Y, Anders MW, Endou H. J Biol Chem. 2002 Sep 27;277(39):36262-71. Epub 2002 Jun 27. PMID: 12089149