

SLC22A16 (aa97-110) Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF3642a**Specification**

SLC22A16 (aa97-110) 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 (aa97-110) 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 (aa97-110) Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

SLC22A16 (aa97-110) 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: [12089149](http://www.uniprot.org/citations/12089149), PubMed: [20037140](http://www.uniprot.org/citations/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 (aa97-110) 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 (aa97-110) Antibody (internal region) - Images

SLC22A16 (aa97-110) Antibody (internal region) - References

The human carnitine transporter SLC22A16 mediates high affinity uptake of the anticancer polyamine analogue bleomycin-A5. Aouida M, Poulin R, Ramotar D. J Biol Chem. 2010 Feb 26;285(9):6275-84. PMID: 20037140