



Rabbit Anti-OCT6 antibody

SL11203R

Product Name:	OCT6
Chinese Name:	八聚体结合转录因子6抗体
Alias:	transcription factor 1; OCT 6; OCT 6; OCT-6; OCT-6; OCT6; OCT6; Octamer-binding protein 6; Octamer-binding transcription factor 6; OTF-6; OTF6; OTF6; PO3F1_HUMAN; POU class 3 homeobox 1; POU domain; POU domain class 3 transcription factor 1; POU domain class 3 transcription factor 1; POU domain transcription factor SCIP; POU-domain transcription factor SCIP; POU3F1; POU3F1; scip (gene name); SCIP.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Pig,Horse,Rabbit,Sheep,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	45kDa
Cellular localization:	cytoplasmicThe cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human OCT6:301-400/451
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	This gene encodes a member of the organic zwitterions transporter protein family which transports carnitine. The encoded protein has also been shown to transport anticancer

drugs like bleomycin (PMID: 20037140) successful treatment has been correlated with the level of activity of this transporter in tumor cells. [provided by RefSeq, Dec 2011].

Function:

High affinity carnitine transporter; the uptake is partially sodium-ion dependent. Thought to mediate the L-carnitine secretion mechanism from testis epididymal epithelium into the lumen which is involved in the maturation of spermatozoa. Also transports organic cations such as tetraethylammonium (TEA) and doxorubicin. The uptake of TEA is inhibited by various organic cations. The uptake of doxorubicin is sodium-independent.

Subcellular Location:

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

Tissue Specificity:

Widely expressed at low levels in adult tissues and fetal brain, lung, liver and kidney. Expressed in testis and epididymis (at protein level). Expressed at lower levels in bone marrow and fetal liver. Expressed in hematopoietic cells, including CD34(+) leukocytes and leukemia cells. Abundantly expressed in ovarian cancer clear-cell adenocarcinoma. Expressed in endometrium (at protein level); highly expressed during the normal secretory phase, but expression is significantly reduced in the proliferative phase.

Similarity:

Belongs to the major facilitator (TC 2.A.1) superfamily. Organic cation transporter (TC 2.A.1.19) family.

SWISS:

Q03052

Gene ID:

5453

Database links:

[Entrez Gene: 5453](#)Human

[Entrez Gene: 18991](#)Mouse

[Entrez Gene: 192110](#)Rat

[Oimim: 602479](#)Human

[SwissProt: Q03052](#)Human

[SwissProt: P21952](#)Mouse

[SwissProt: P20267](#)Rat

[Unigene: 1837](#)Human

[Unigene: 297371](#)Mouse

[Unigene: 82720](#)Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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