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OCT6 Rabbit pAb

Catalog # AP97697

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	Q03052
Other Accession	Q03052
Predicted	Rat, Pig, Human, Mouse, Rabbit, Chicken, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	45496
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human OCT6
Epitope Specificity	301-400/451
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the major facilitator (TC 2.A.1) superfamily. Organic cation transporter (TC 2.A.1.19) family.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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].

Additional Information

Gene ID	5453
Other Names	OCT6; OTF6; SCIP; Oct-6; Otf-6; Test1; Tst-1; Tst1; Testes-1; PO3F1_HUMAN; POU3F1; Octamer-binding protein 6 (Oct-6); Octamer-binding transcription factor 6 (OTF-6); POU domain transcription factor SCIP; PO3F1_MOUSE; PO3F1_RAT; POU class 3 homeobox 1; POU domain class 3, transcription factor 1
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

Protein Information

Name	POU3F1
Synonyms	OCT6, OTF6
Function	Transcription factor that binds to the octamer motif (5'- ATTTGCAT-3') (By similarity). Acts as a transcriptional activator when binding cooperatively with SOX4, SOX11, or SOX12 to gene promoters (By similarity). Acts as a transcriptional repressor of myelin-specific genes (By similarity).
Cellular Location	Nucleus {ECO:0000250|UniProtKB:P21952}.
Tissue Location	Expressed in embryonal stem cells and in the developing brain

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.