



Rabbit Anti-Human OCT4 monoclonal antibody, clone U.742.0 (CABT-L1537)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Target	POU5F1
Immunogen	Recombinant protein specific to the amino terminus of human Oct-4A
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse
Clone	U.742.0
Purification	Affinity Purified
Conjugate	Unconjugated
Applications	FC, ICC, IF, WB
Format	Liquid
Buffer	0.01M HEPES, pH 7.5, with 0.15M NaCl, 100µg/ml BSA, 50% glycerol
Preservative	See individual product datasheet
Storage	-20°C

BACKGROUND

Introduction	This gene encodes a transcription factor containing a POU homeodomain. This transcription factor plays a role in embryonic development, especially during early embryogenesis, and it is
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necessary for embryonic stem cell pluripotency. A translocation of this gene with the Ewing's sarcoma gene, has been linked to tumor formation. Alternative splicing, as well as usage of alternative translation initiation codons, results in multiple isoforms, one of which initiates at a non-AUG (CUG) start codon. Related pseudogenes have been identified on chromosomes 1, 3, 8, 10, and 12.

Keywords	POU5F1;POU class 5 homeobox 1;OCT3;OCT4;OTF3;OTF4;OTF-3;Oct-3;Oct-4;POU domain, class 5, transcription factor 1
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GENE INFORMATION

Entrez Gene ID	5460
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UniProt ID	Q01860
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