

Mouse anti-Human OCT4 Antibody | anti-OCT4 antibody

OCT4 Antibody

CATALOG # AAA108525	HOST Mouse	REACTIVITY Human	APPLICATIONS ELISA, Western Blot
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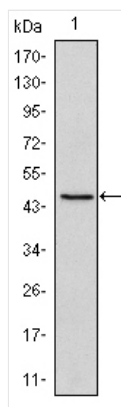
PRODUCT SYNONYMS

OCT4; OCT4 Antibody; OCT3; OTF3; OTF4; OTF-3; Oct-3; Oct-4; MGC22487; POU5F1; anti-OCT4 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Isotype	IgG1
Clone Number	5F7
Form/Format	Ascitic fluid containing 0.03% sodium azide.
Sequence Length	190
Applicable Applications for anti-OCT4 antibody	ELISA, WB (Western Blot)
Immunogen	Synthesized peptide of human Oct4.
Preparation and Storage	Store at 4 degree C, for long term storage, store at -20 degree C.

IMAGES



WB (Western Blot)

Figure 1: Western blot analysis using Oct4 mouse mAb against NTERA-2 cell lysate (1).

ADDITIONAL INFORMATION

Related Product Information for anti-OCT4 antibody	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 necessary for embryonic stem cell pluripotency. A translocation of this gene with the Ewing's sarcoma gene, t(6; 22)(p21; q12), 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. (provided by RefSeq).Tissue specificity: Expressed in developing brain. Highest levels found in specific cell layers of the cortex, the olfactory bulb, the hippocampus and the cerebellum. Low levels of expression in adult tissues.
Product Categories/Family for anti-OCT4 antibody	Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells

NCBI AND UNIPROT INFORMATION

NCBI GI #	291167757
NCBI GeneID	5460
NCBI Accession #	NP_001167002.1
NCBI GenBank Nucleotide #	NM_001173531.2
Molecular Weight	45kDa
NCBI Official Full Name	POU domain, class 5, transcription factor 1 isoform 2
NCBI Official Synonym Full Names	POU class 5 homeobox 1
NCBI Official Symbol	POU5F1
NCBI Official Synonym Symbols	OCT3; OCT4; OTF3; OTF4; OTF-3; Oct-3; Oct-4
NCBI Protein Information	POU domain, class 5, transcription factor 1
UniProt Protein Name	POU domain, class 5, transcription factor 1
UniProt Gene Name	POU5F1
UniProt Synonym Gene Names	OCT3; OCT4; OTF3; Oct-3; Oct-4; OTF-3

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.