

Rabbit OCT4 Polyclonal Antibody | anti-OCT4 antibody

Anti-Oct4 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA254291	Rabbit	MousePredicted to React with: Human (Species predicted to react based on 100% sequence homology)	Immunohistochemistry

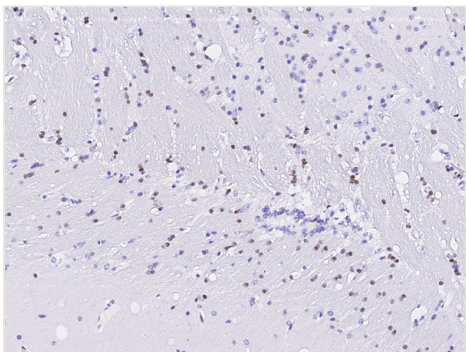
PRODUCT SYNONYMS

OCT4; Polyclonal Antibody; Anti-Oct4 Antibody; Rabbit Polyclonal; Oct4/POU5F1 Antibody; Rabbit PAb; Antigen Affinity Purified; POU class 5 homeobox 1; Anti-42280 Antibody; Anti-42281 Antibody; Anti-NF-A3 Antibody; Anti-Oct-3/4 Antibody; Anti-Oct3/4 Antibody; Anti-Otf-3 Antibody; Anti-Otf-4 Antibody; Anti-Otf3 Antibody; Anti-Otf3-rs7 Antibody; Anti-Otf3g Antibody; Anti-Otf4 Antibody; anti-OCT4 antibody

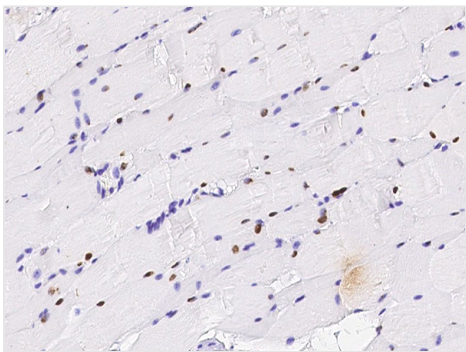
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse Predicted to React with: Human (Species predicted to react based on 100% sequence homology)
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Mouse Oct4
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-OCT4 antibody	IHC (Immunohistochemistry)
Immunogen	A synthetic peptide corresponding to the N-terminus of the Mouse Oct4/POU5F1
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the N-terminus of the Mouse Oct4/POU5F1, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)
Immunochemical staining of mouse Pou5f1 in mouse brain with rabbit polyclonal antibody (1:2000, formalin-fixed paraffin embedded sections).



IHC (Immunohistochemistry)
Immunochemical staining of mouse Pou5f1 in mouse skeletal muscle with rabbit polyclonal antibody (1:2000, formalin-fixed paraffin embedded sections).

ADDITIONAL INFORMATION

Related Product Information for anti-OCT4 antibody	The POU5F1 gene, which encodes the POU domain, class 5, transcription factor 1 (also known as Oct-4), is expressed in embryonic stem cells where it regulates pluripotency and proliferation. The POU5F1 gene encodes one of the "core" transcription factors necessary to establish and maintain pluripotency in mammals. Its function depends on its precise level of expression, so its transcription has to be tightly regulated. POU5F1 is a key regulator of self-renewal and differentiation in embryonic stem cells and may be associated with initiation, promotion, and progression in cancer. POU5F1 is a transcription factor and master regulator of cell pluripotency with indispensable roles in early embryo development and cell lineage specification. The role of embryonic POU5F1 in blastocyst formation and cell lineage specification differs between mammalian species.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	125490392
NCBI GeneID	18999
NCBI Accession #	NP_038661.2
NCBI GenBank Nucleotide #	NM_013633.3
UniProt Accession #	P20263; Q63843
Molecular Weight	38,216 Da
NCBI Official Full Name	POU domain, class 5, transcription factor 1 isoform 1
NCBI Official Synonym Full Names	POU domain, class 5, transcription factor 1
NCBI Official Symbol	Pou5f1
NCBI Official Synonym Symbols	Oct3; Oct4; Otf3; Otf4; NF-A3; Oct-3; Oct-4; Otf-3; Otf-4; Otf3g; Oct3/4; Oct-3/4; Otf3-rs7
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	Oct-3; Oct-4; Otf-3; Otf3; Oct-3; Oct-4; OTF-3
UniProt Entry Name	PO5F1_MOUSE

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.