

Rabbit anti-Human OCT4 Polyclonal Antibody | anti-POU5F1 antibody

OCT4 Rabbit pAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA283292	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

OCT4; Polyclonal Antibody; OCT4 Rabbit pAb; OCT3; OTF3; OTF4; OTF-3; Oct-3; Oct-4; Oct3/4; anti-POU5F1 antibody

PRODUCT SPECIFICATIONS

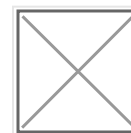
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300, 50% glycerol, pH7.3.
Sequence	MAGHLASDFA FSPPPGGGGD GPGGPEPGWV DPRTWLSFQG PPGGPGIGPG VGPGSEVWGI PPCPPPYEFC GGMAYCGPQV GVGLVPQGGL ETSQPEGEAG VGVESNSDGA SPEPCTVTPG AVKLEKEKLE QNPPEE
Applicable Applications for anti-POU5F1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Cross Reactivity	Human, Mouse
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-135 of human OCT4 (NP_002692.2).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



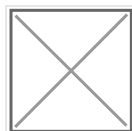
IF (Immunofluorescence)

Immunofluorescence analysis of NCCIT cells using OCT4 Rabbit pAb(AAA283292) at a dilution of 1:50 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L)(AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



IF (Immunofluorescence)

Immunofluorescence analysis of F9 cells using OCT4 Rabbit pAb(AAA283292) at a dilution of 1:50 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L)(AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



WB (Western Blot)

Western blot analysis of lysates from NTERA-2 cells using OCT4 Rabbit pAb (AAA283292) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.

ADDITIONAL INFORMATION

Related Product Information for anti-POU5F1 antibody	This gene encodes a transcription factor containing a POU homeodomain that plays a key role in embryonic development and stem cell pluripotency. Aberrant expression of this gene in adult tissues is associated with tumorigenesis. This gene can participate in a translocation with the Ewing's sarcoma gene on chromosome 21, which also leads to tumor formation. Alternative splicing, as well as usage of alternative AUG and non-AUG translation initiation codons, results in multiple isoforms. One of the AUG start codons is polymorphic in human populations. Related pseudogenes have been identified on chromosomes 1, 3, 8, 10, and 12.
Product Categories/Family for anti-POU5F1 antibody	Epigenetics Nuclear Signaling; Transcription Factors; RNA Binding; Cell Biology Developmental Biology; ESC Pluripotency and Differentiation; Stem Cells; Embryonic Stem Cells; Germline Stem Cells; Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	42560248
NCBI GeneID	5460
NCBI Accession #	NP_002692.2
NCBI GenBank Nucleotide #	NM_002701.4
UniProt Accession #	Q01860; P31359; Q15167; Q15168; Q16422; Q5STF3; Q5STF4; A6NCS1; A6NLL8; D2IYK4
Molecular Weight	Calculated MW: 39kDa Observed MW: 45kDa
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
UniProt Entry Name	PO5F1_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/oct4-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/283292>