

Rabbit anti-Human OCT3/4 Polyclonal Antibody | anti-POU5F1 antibody

OCT3/4 Antibody (C279)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA283719	Rabbit	Human	Immunohistochemistry, ELISA, Western Blot

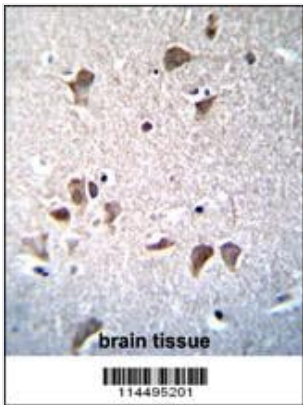
PRODUCT SYNONYMS

OCT3/4; Polyclonal Antibody; OCT3/4 Antibody (C279); POU domain; class 5; transcription factor 1; Octamer-binding protein 3; Oct-3; Octamer-binding protein 4; Oct-4; Octamer-binding transcription factor 3; OTF-3; POU5F1; OCT3; OCT4; OTF3; anti-POU5F1 antibody

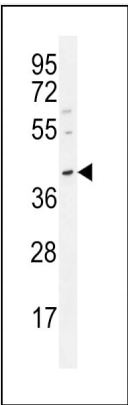
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This OCT3/4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 265-297 amino acids from human OCT3/4.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	265-297
Sequence Length	360
Applicable Applications for anti-POU5F1 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohiostchemistry)
OCT3/4 Antibody (C279) immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of OCT3/4 Antibody (C279) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
OCT3/4 Antibody (C279) western blot analysis in MDA-MB231 cell line lysates (35ug/lane).This demonstrates the OCT3/4 antibody detected the OCT3/4 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-POU5F1 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.
Product Categories/Family for anti-POU5F1 antibody	Developmental Biology; Signal Transduction
References	Abu-Remaileh, M., et al. EMBO J. 29(19):3236-3248(2010) Ucisik-Akkaya, E., et al. Mol. Hum. Reprod. 16(10):770-777(2010) Schultz, S.S., et al. Mol. Cell. Biol. 30(18):4521-4534(2010) Kim, S., et al. Br. J. Cancer 102(2):436-446(2010) Wang, X., et al. Stem Cells 27(6):1265-1275(2009)

NCBI AND UNIPROT INFORMATION

NCBI GI #	42560248
NCBI GeneID	5460
NCBI Accession #	NP_002692.2
NCBI GenBank Nucleotide #	NM_002701.5
UniProt Accession #	Q01860; P31359; Q15167; Q15168; Q16422; Q5STF3; Q5STF4; A6NCS1; A6NLL8; D2IYK4
Molecular Weight	38571
NCBI Official Full Name	POU domain, class 5, transcription factor 1 isoform 1
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
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/oct3-4-antibody-immunohistochemistry-western-blot-elisa/283719>