

Mouse anti-Mouse POU5F1/OCT4 Monoclonal Antibody | anti-POU5F1/OCT4 antibody

POU5F1/OCT4 Mouse mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA320299	Mouse	Mouse	Western Blot

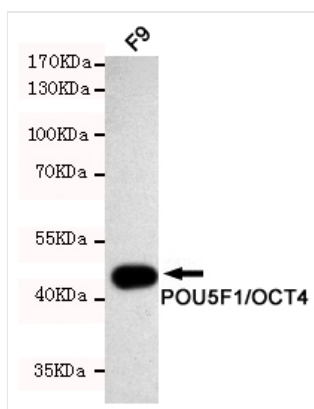
PRODUCT SYNONYMS

POU5F1/OCT4; Monoclonal Antibody; POU5F1/OCT4 Mouse mAb; MGC22487; Oct 3; Oct 4; Oct-3; Oct-4; OCT3; Oct4; Octamer binding protein 3; Octamer binding protein 4; Octamer binding transcription factor 3; Octamer-binding protein 3; Octamer-binding protein 4; Octamer-binding transcription factor 3; OTF 3; OTF 4; OTF-3; OTF3; OTF4; PO5F1_HUMAN; POU class 5 homeobox 1; POU domain class 5 transcription factor 1; POU domain transcription factor OCT4; POU domain; class 5; transcription factor 1; POU5F1.; anti-POU5F1/OCT4 antibody

PRODUCT SPECIFICATIONS

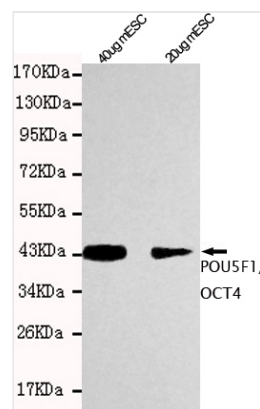
Host	Mouse
Reactivity	Mouse
Clonality	Monoclonal
Specificity	This antibody detects endogenous levels of POU5F1/OCT4 and does not cross-react with related proteins.
Purity/Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen.
Form/Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-POU5F1/OCT4 antibody	WB (Western Blot)
Immunogen	Purified recombinant mouse POU5F1/OCT4 protein fragments expressed in E coli.
Modification	Unmodified/Total
Preparation and Storage	Store at -20 degree C/1 year

IMAGES



WB (Western Blot)

Western blot detection of POU5F1/OCT4 in F9 cell lysates using POU5F1/OCT4 mouse mAb (1:1000 diluted). Predicted band size: 45KDa. Observed band size: 45KDa.



WB (Western Blot)

Western blot detection of POU5F1/OCT4 in 20ug and 40ug mESC cell lysates using POU5F1/OCT4 mouse mAb (1:1000 diluted). Predicted band size: 45KDa. Observed band size: 45KDa.

ADDITIONAL INFORMATION

Related Product Information for anti-POU5F1/OCT4 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. [provided by RefSeq, Oct 2013]
Product Categories/Family for anti-POU5F1/OCT4 antibody	Primary 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	38,571 Da
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; octamer-binding protein 3; octamer-binding protein 4; POU domain transcription factor OCT4; octamer-binding transcription factor 3; octamer-binding transcription factor-3; POU-type homeodomain-containing DNA-bi
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/monoclonal/pou5f1-oct4-antibody-western-blot-elisa/320299>