OCT-1 Antibody – Polyclonal

PRODUCT OVERVIEW

Product Name	Oct-1, Polyclonal Antibody
Full Product Name	Oct-1 Polyclonal Antibody
Product Gene Name	anti-Oct-1 antibody
Clonality	Polyclonal
Molecular Weight	72,082 Da
OMIM	164175
3D Structure	ModBase 3D Structure for P14859
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for anti-Oct-1 antibody	MBS8524210 is an antibody targeting Oct-1. Also known as Oct-1 Polyclonal Antibody.
Other Notes	Small volumes of anti-Oct-1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Oct-1. It may not necessarily be applicable to this product.

NCBI GI #	311771667
NCBI GeneID	5451
NCBI Accession #	NP_001185712.1
UniProt Primary Accession #	P14859
UniProt Secondary Accession #	Q5TBT7; Q6PK46; Q8NEU9; Q9BPV1; B1AL91; B1AL93; B4E029; J3KP77
UniProt Related Accession #	P14859
GenBank Nucleotide #	NM_001198783.1
NCBI Official Full Name	POU domain, class 2, transcription factor 1 isoform 2
NCBI Official Synonym Full Names	POU class 2 homeobox 1
NCBI Official Symbol	POU2F1
NCBI Official Synonym Symbols	OCT1; OTF1; oct-1B
UniProt Protein Name	POU domain, class 2, transcription factor 1
UniProt Synonym Protein Names	NF-A1; Octamer-binding protein 1; Oct-1; Octamer-binding transcription factor 1; OTF-1
Protein Family	POU domain, class 2, transcription factor
UniProt Gene Name	POU2F1
UniProt Synonym Gene Names	OCT1; OTF1; Oct-1; OTF-1
NCBI Protein Information	POU domain, class 2, transcription factor 1

NCBI Summary for Oct-1	The OCT1 transcription factor was among the first identified members of the POU transcription factor family (summarized by Sturm et al., 1993 [PubMed 8314572]). Members of this family contain the POU domain, a 160-amino acid region necessary for DNA binding to the octameric sequence ATGCAAAT.[supplied by OMIM, Jul 2010]
UniProt Comments for Oct-1	Transcription factor that binds to the octamer motif (5'-ATTTGCAT-3') and activates the promoters of the genes for some small nuclear RNAs (snRNA) and of genes such as those for histone H2B and immunoglobulins. Modulates transcription transactivation by NR3C1, AR and PGR (). In case of human herpes simplex virus (HSV) infection, POU2F1 forms a multiprotein-DNA complex with the viral transactivator protein VP16 and HCFC1 thereby enabling the transcription of the viral immediate early genes.
Research Articles on Oct-1	**1.** our results indicate that POU2F1 over-expression is positively associated with aggressive phenotypes and poor survival in patients with HCC, and POU2F1 regulated by AKT pathway promotes HCC aggressive phenotypes by regulating the transcription of EMT genes.
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