OCT2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	OCT2, Polyclonal Antibody
Full Product Name	Oct2 Rabbit pAb
Product Gene Name	anti-Oct2 antibody
Product Synonym Names	OCT2; OTF2; Oct-2
Clonality	Polyclonal
Isotype	Rabbit IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied in 50nM Tris-Glycine (pH 7.4), 0.15M Nacl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
Purity/Purification	Affinity purified
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.
Molecular Weight	51,209 Da
Chromosome Location	Chromosome: 19; NC_000019.9 (42590262..42636625, complement). Location: 19q13.2
OMIM	164176
3D Structure	ModBase 3D Structure for P09086
Immunogen	A synthetic peptide of human Oct-2
Product Categories/Family for anti-Oct2 antibody	Primary antibody
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-Oct2 antibody	Western Blot (WB), Immunohistochemistry (IHC), Immunocytochemistry (ICC), Immunofluorescence (IF), Flow Cytometry (FC/FACS)
Application Notes for anti-Oct2 antibody	WB: 1:1000 IHC: 1:50 ICC/IF: 1:50 FC: 1:20
Related Product Information for anti-Oct2 antibody	Transcription factor that specifically binds to the octamer motif (5'-ATTTGCAT-3'). Regulates transcription in a number of tissues in addition to activating immunoglobulin gene expression. Modulates transcription transactivation by NR3C1, AR and PGR. Isoform 5 activates the U2 small nuclear RNA (snRNA) promoter.
Other Notes	Small volumes of anti-Oct2 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.
Searchable Terms for Oct2 purchase	MBS8575933 is an antibody targeting Oct2. Also known as Oct2 Rabbit pAb. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Oct2. It may not necessarily be applicable to this product.

NCBI GI #	333360875

NCBI GeneID	5452
NCBI Accession #	NP_001193954.1
UniProt Primary Accession #	P09086
UniProt Secondary Accession #	Q16648; Q7M4M8; Q9BRS4
UniProt Related Accession #	P09086
GenBank Nucleotide #	NM_001207025.2
NCBI Official Full Name	POU domain, class 2, transcription factor 2 isoform 1
NCBI Official Synonym Full Names	POU class 2 homeobox 2
NCBI Official Symbol	POU2F2
NCBI Official Synonym Symbols	OCT2; OTF2; Oct-2
UniProt Protein Name	POU domain, class 2, transcription factor 2
UniProt Synonym Protein Names	Lymphoid-restricted immunoglobulin octamer-binding protein NF-A2; Octamer-binding protein 2; Oct-2; Octamer-binding transcription factor 2
UniProt Gene Name	POU2F2
UniProt Synonym Gene Names	OCT2; OTF2; Oct-2; OTF-2
UniProt Entry Name	PO2F2_HUMAN
NCBI Protein Information	POU domain, class 2, transcription factor 2; OTF-2; homeobox protein; octamer-binding protein 2; octamer-binding transcription factor 2; lymphoid-restricted immunoglobulin octamer-binding protein NF-A2
NCBI Summary for Oct2	The protein encoded by this gene is a homeobox-containing transcription factor of the POU domain family. The encoded protein binds the octamer sequence 5'-ATTTGCAT-3', a common transcription factor binding site in immunoglobulin gene promoters. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2011]
UniProt Comments for Oct2	Oct2: Transcription factor that specifically binds to the octamer motif (5'-ATTTGCAT-3'). Regulates transcription in a number of tissues in addition to activating immunoglobulin gene expression. Modulates transcription transactivation by NR3C1, AR and PGR. Isoform 5 activates the U2 small nuclear RNA (snRNA) promoter. Belongs to the POU transcription factor family. Class- 2 subfamily. 5 isoforms of the human protein are produced by alternative splicing. Protein type: DNA-binding Chromosomal Location of Human Ortholog: 19q13.2 Cellular Component: cytoplasm; nucleus Molecular Function: protein domain specific binding; sequence-specific DNA binding; transcription factor activity Biological Process: transcription from RNA polymerase II promoter; immunoglobulin secretion during immune response; mature B cell differentiation; positive regulation of transcription, DNA-dependent; cell maturation; humoral immune response
Research Articles on Oct2	**1.** Half of the cases displayed Oct-2 expression (15/30 cases) of systemic anaplastic large-cell lymphoma measured by tissue microarray immunohistochemistry.
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