POU2F2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	POU2F2, Polyclonal Antibody
Full Product Name	POU2F2 Antibody, HRP conjugated
Product Gene Name	anti-POU2F2 antibody
Product Synonym Names	POU domain; class 2; transcription factor 2; Lymphoid-restricted immunoglobulin octamer-binding protein NF-A2; Octamer-binding protein 2; Oct-2; Octamer-binding tr; POU2F2; OCT2; OTF2
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid
Purity/Purification	>95%, Protein G purified
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.
Matching Pairs	Unconjugated Antibody: POU2F2 (MBS7048911) HRP Conjugated Antibody: POU2F2 (MBS7048912)
Molecular Weight	62,172 Da
OMIM	M36653 mRNA
3D Structure	ModBase 3D Structure for P09086
Immunogen	Recombinant human POU domain, class 2, transcription factor 2 protein (277-389AA)
Preservative	0.03% Proclin 300
Constituents	50% Glycerol, 0.01M PBS, PH 7.4
Conjugation	HRP
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-31980 / sc-233 / sc-25400
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-POU2F2 antibody	ELISA (EIA)
Related Product Information for anti-POU2F2 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-POU2F2 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 POU2F2 purchase	MBS7048912 is an antibody targeting POU2F2. Also known as POU2F2 Antibody, HRP conjugated. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for POU2F2. 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; OTF-2
Protein Family	POU domain, class 2, transcription factor
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
NCBI Summary for POU2F2	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 POU2F2	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: nucleoplasm; nucleus Molecular Function: sequence-specific DNA binding; transcription factor activity Biological Process: humoral immune response; snRNA transcription from RNA polymerase II promoter; transcription from RNA polymerase II promoter
Research Articles on POU2F2	**1.** a differential control exerted by both Oct-1 and Oct-2 in the transcriptional regulation of the HMGA1 gene
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