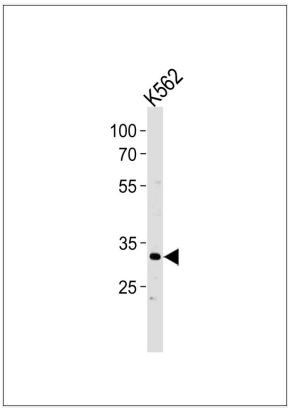
P5F1B Antibody – Rabbit Polyclonal

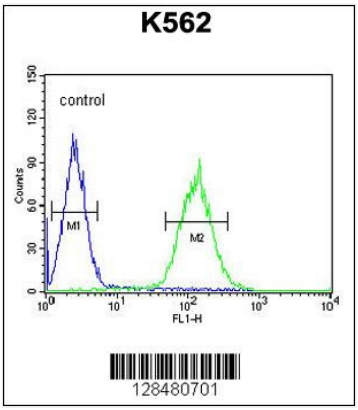
PRODUCT OVERVIEW

Product Name	P5F1B, Polyclonal Antibody
Full Product Name	P5F1B, CT (POU5F1B, OTF3C, OTF3P1, POU5F1P1, POU5FLC20, POU5FLC8, Putative POU domain, class 5, transcription factor 1B, Octamer-binding protein 3-like, Octamer-binding transcription factor 3-like) (Azide free) (HRP)
Product Gene Name	anti-P5F1B antibody
Product Synonym Gene Name	POU5F1B
Product Synonym Names	POU5F1B; OTF3C; OTF3P1; POU5F1P1; POU5FLC20; POU5FLC8; Putative POU domain; class 5; transcription factor 1B; Octamer-binding protein 3-like; Octamer-binding transcription factor 3-like
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Horseradish Peroxidase (HRP).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Note: Sodium azide is a potent inhibitor of peroxidase and should not be added to HRP conjugates. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	38,588 Da
OMIM	615739
3D Structure	ModBase 3D Structure for Q06416
Immunogen	P5F1B antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 217-247 amino acids from the C-terminal region of human P5F1B.
Conjugate	HRP
Note	Preservative Free
Product Categories/Family for anti-P5F1B antibody	Antibodies; Transcription Factors
Applications Tested/Suitable for anti-P5F1B antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-P5F1B antibody	WB: 1:100-500 ELISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-P5F1B antibody	This intronless gene was thought to be a transcribed pseudogene of POU class 5 homeobox 1, however, it has been reported that this gene can encode a functional protein. The encoded protein is nearly the same length as and highly similar to the POU class 5 homeobox 1 transcription factor, has been shown to be a weak transcriptional activator and may play a role in carcinogenesis and eye development.

Product References and Citations for anti-P5F1B antibody	Kastler, S., et al. Prostate 70(6):666-674(2010). White, K.L., et al. Twin Res Hum Genet 13(1):43-56(2010). Crowther-Swanepoel, D., et al. Nat. Genet. 42(2):132-136(2010). Gudmundsson, J., et al. Nat. Genet. 41(10):1122-1126(2009). Panagopoulos, I., et al. Oncol. Rep. 20(5):1029-1033(2008).
Other Notes	Small volumes of anti-P5F1B 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 P5F1B purchase	MBS6330322 is an antibody targeting P5F1B. Also known as P5F1B, CT (POU5F1B, OTF3C, OTF3P1, POU5F1P1, POU5FLC20, POU5FLC8, Putative POU domain, class 5, transcription factor 1B, Octamer-binding protein 3-like, Octamer-binding transcription factor 3-like) (Azide free) (HRP). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-P5F1B antibody
P5F1B Antibody (C-term) western blot analysis in K562 cell line lysates (35ug/lane).This demonstrates the P5F1B antibody detected the P5F1B protein (arrow).



Flow Cytometry (FC/FACS) of anti-P5F1B antibody
P5F1B Antibody (C-term) flow cytometric analysis of K562 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for P5F1B. It may not necessarily be applicable to this product.

NCBI GI #	227430410
NCBI GeneID	5462
NCBI Accession #	NP_001153014.1
UniProt Primary Accession #	Q06416
UniProt Secondary Accession #	D5K9S4; D5K9S9; D5K9T0; D5K9T1; D5K9T3; D5K9U3; D5K9U6; D5K9V4; D5K9V6; D5K9W0; D5K9W2
UniProt Related Accession #	Q06416
GenBank Nucleotide #	NM_001159542.1
NCBI Official Full Name	putative POU domain, class 5, transcription factor 1B
NCBI Official Synonym Full Names	POU class 5 homeobox 1B
NCBI Official Symbol	POU5F1B
NCBI Official Synonym Symbols	OTF3C; OTF3P1; OCT4PG1; OCT4-PG1; POU5F1P1; POU5F1P4; POU5FLC8; POU5FLC20
UniProt Protein Name	Putative POU domain, class 5, transcription factor 1B
UniProt Synonym Protein Names	Oct4-pg1; Octamer-binding protein 3-like; Octamer-binding transcription factor 3-like
UniProt Gene Name	POU5F1B
UniProt Synonym Gene Names	OCT4PG1; OTF3C; OTF3P1; POU5F1P1; POU5FLC20; POU5FLC8
UniProt Entry Name	P5F1B_HUMAN

NCBI Protein Information	putative POU domain, class 5, transcription factor 1B; POU 5 domain protein; POU class 5 homeobox 1 pseudogene 1; POU domain transcription factor Oct-4; octamer binding protein 3_like sequence; POU domain transcription factor OCT4-pg1; POU domain, class 5
UniProt Comments for P5F1B	POU5F1B: Shows weak transcriptional activator activity. Belongs to the POU transcription factor family. Class- 5 subfamily. Protein type: DNA-binding; Transcription factor Chromosomal Location of Human Ortholog: 8q24.21 Cellular Component: nucleus Molecular Function: sequence-specific DNA binding; transcription factor activity Biological Process: transcription, DNA-dependent; regulation of transcription, DNA-dependent
Research Articles on P5F1B	**1.** Association of rs7014346 in POU5F1P1, rs989902 in PTPN13, and rs7003146 in TCF7L2 with variations in the risk of breast cancer in a Chinese Han population.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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