

P5F1B Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP10822b

Specification

P5F1B Antibody (C-term) - Product Information

Application Primary Accession Other Accession

Reactivity Predicted Host Clonality Isotype Calculated MW Antigen Region WB, FC,E <u>Q06416</u> <u>Q9TSV5</u>, <u>P20263</u>, <u>Q01860</u>, <u>Q97552</u>, <u>NP_001153014.1</u> Human Bovine, Mouse, Pig Rabbit Polyclonal Rabbit IgG 38588 214-242

P5F1B Antibody (C-term) - Additional Information

Gene ID 5462

Other Names Putative POU domain, class 5, transcription factor 1B, Oct4-pg1, Octamer-binding protein 3-like, Octamer-binding transcription factor 3-like, POU5F1B

Target/Specificity

This P5F1B antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 214-242 amino acids from the C-terminal region of human P5F1B.

Dilution WB~~1:1000 FC~~1:10~50 E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

P5F1B Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

P5F1B Antibody (C-term) - Protein Information



Name POU5F1B

Function Shows weak transcriptional activator activity.

Cellular Location Nucleus {ECO:0000255|PROSITE-ProRule:PRU00108, ECO:0000255|PROSITE-ProRule:PRU00530, ECO:0000269|PubMed:18949397} Cytoplasm

Tissue Location Detected in epithelial cells of the prostate (at protein level) (PubMed:20017164). Detected at the mRNA level in several cancer tissues (breast, uterine cervix, lung, thyroid gland, esophagus, colon, urinary bladder, and glioma) (PubMed:16229821, PubMed:21341266)

P5F1B Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

P5F1B Antibody (C-term) - Images



P5F1B Antibody (C-term) (Cat. #AP10822b) western blot analysis in K562 cell line lysates (35ug/lane).This demonstrates the P5F1B antibody detected the P5F1B protein (arrow).





P5F1B Antibody (C-term) (Cat. #AP10822b) 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.

P5F1B Antibody (C-term) - Background

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.

P5F1B Antibody (C-term) - References

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)