

**P5F1B Antibody (C-term) Blocking peptide**  
Synthetic peptide  
Catalog # BP10822b

## Specification

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### P5F1B Antibody (C-term) Blocking peptide - Product Information

Primary Accession [Q06416](#)

### P5F1B Antibody (C-term) Blocking peptide - 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

#### Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

#### Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

#### Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

### P5F1B Antibody (C-term) Blocking peptide - 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}

#### Tissue Location

Detected at the mRNA level in several cancer tissues (breast, uterine cervix, lung, thyroid gland, esophagus, colon, urinary bladder, and glioma), but absent in normal tissues

### P5F1B Antibody (C-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

**P5F1B Antibody (C-term) Blocking peptide - Images****P5F1B Antibody (C-term) Blocking peptide - 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) Blocking peptide - 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)