

RFX2 Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP12817b**Specification**

RFX2 Antibody (C-term) Blocking peptide - Product Information

Primary Accession [P48378](#)

RFX2 Antibody (C-term) Blocking peptide - Additional Information

Gene ID 5990

Other Names

DNA-binding protein RFX2, Regulatory factor X 2, RFX2

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.

RFX2 Antibody (C-term) Blocking peptide - Protein Information

Name RFX2

Function

Transcription factor that acts as a key regulator of spermatogenesis. Acts by regulating expression of genes required for the haploid phase during spermiogenesis, such as genes required for cilium assembly and function (By similarity). Recognizes and binds the X-box, a regulatory motif with DNA sequence 5'-GTNRCC(0-3N)RGYAAC-3' present on promoters (PubMed:10330134). Probably activates transcription of the testis-specific histone gene H1-6 (By similarity).

Cellular Location

Nucleus {ECO:0000250|UniProtKB:B2GV50, ECO:0000255|PROSITE-ProRule:PRU00858}.
Cytoplasm {ECO:0000250|UniProtKB:B2GV50}. Note=Mainly expressed in the nucleus and at lower level in cytoplasm. {ECO:0000250|UniProtKB:B2GV50}

RFX2 Antibody (C-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

RFX2 Antibody (C-term) Blocking peptide - Images**RFX2 Antibody (C-term) Blocking peptide - Background**

This gene is a member of the regulatory factor X gene family, which encodes transcription factors that contain a highly-conserved winged helix DNA binding domain. The protein encoded by this gene is structurally related to regulatory factors X1, X3, X4, and X5. It is a transcriptional activator that can bind DNA as a monomer or as a heterodimer with other RFX family members. This protein can bind to cis elements in the promoter of the IL-5 receptor alpha gene. Two transcript variants encoding different isoforms have been described for this gene, and both variants utilize alternative polyadenylation sites.

RFX2 Antibody (C-term) Blocking peptide - References

Purvis, T.L., et al. Gene 460 (1-2), 20-29 (2010) :Bailey, S.D., et al. Diabetes Care (2010) In press
:Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)Horvath, G.C., et al. Biol. Reprod.
71(5):1551-1559(2004)Maijgren, S., et al. Arch. Dermatol. Res. 295(11):482-489(2004)