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RFX1 Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP16766b

Specification

RFX1 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession P22670

RFX1 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 5989

Other Names
MHC class II regulatory factor RFX1, Enhancer factor C, EF-C, Regulatory factor X 1, RFX, Transcription factor RFX1, RFX1

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.

RFX1 Antibody (C-term) Blocking Peptide - Protein Information

Name RFX1

Function
Regulatory factor essential for MHC class II genes expression. Binds to the X boxes of MHC class II genes. Also binds to an inverted repeat (ENH1) required for hepatitis B virus genes expression and to the most upstream element (alpha) of the RPL30 promoter.

Cellular Location
Nucleus.

RFX1 Antibody (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

RFX1 Antibody (C-term) Blocking Peptide - Images

RFX1 Antibody (C-term) Blocking Peptide - Background

This gene is a member of the regulatory factor X genefamily, which encodes transcription factors that contain ahighly-conserved winged helix DNA binding domain. The proteinencoded by this gene is structurally related to regulatory factorsX2, X3, X4, and X5. It is a transcriptional activator that can bindDNA as a monomer or as a heterodimer with RFX family members X2,X3, and X5, but not with X4. This protein binds to the X-boxes ofMHC class II genes and is essential for their expression. Also, itcan bind to an inverted repeat that is required for expression ofhepatitis B virus genes.

RFX1 Antibody (C-term) Blocking Peptide - References

Zhao, M., et al. J. Autoimmun. 35(1):58-69(2010)Purvis, T.L., et al. Gene 460 (1-2), 20-29 (2010) :Hsu, Y.C., et al. J. Biol. Chem. 285(18):13885-13895(2010)Seguin-Estevez, Q., et al. J. Immunol. 183(4):2545-2553(2009)Zhang, Y., et al. Mol. Biol. (Mosk.) 43(1):77-84(2009)