

RFX5 Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP14004c**Specification**

RFX5 Antibody (Center) Blocking peptide - Product Information

Primary Accession [P48382](#)

RFX5 Antibody (Center) Blocking peptide - Additional Information

Gene ID 5993

Other Names

DNA-binding protein RFX5, Regulatory factor X 5, RFX5

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP14004c was selected from the Center region of RFX5. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

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.

RFX5 Antibody (Center) Blocking peptide - Protein Information

Name RFX5

Function

Activates transcription from class II MHC promoters. Recognizes X-boxes. Mediates cooperative binding between RFX and NF-Y. RFX binds the X1 box of MHC-II promoters.

Cellular Location

Nucleus.

Tissue Location

Ubiquitous.

RFX5 Antibody (Center) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

RFX5 Antibody (Center) Blocking peptide - Images

RFX5 Antibody (Center) Blocking peptide - Background

A lack of MHC-II expression results in a severe immunodeficiency syndrome called MHC-II deficiency, or the bare lymphocyte syndrome (BLS; MIM 209920). At least 4 complementation groups have been identified in B-cell lines established from patients with BLS. The molecular defects in complementation groups B, C, and D all lead to a deficiency in RFX, a nuclear protein complex that binds to the X box of MHC-II promoters. The lack of RFX binding activity in complementation group C results from mutations in the RFX5 gene encoding the 75-kD subunit of RFX (Steimle et al., 1995). RFX5 is the fifth member of the growing family of DNA-binding proteins sharing a novel and highly characteristic DNA-binding domain called the RFX motif. Multiple alternatively spliced transcript variants have been found but the full-length nature of only two have been determined. [provided by RefSeq].

RFX5 Antibody (Center) Blocking peptide - References

Laird, K.M., et al. J. Mol. Biol. 403(1):40-51(2010) Kong, X., et al. J. Mol. Cell. Cardiol. 46(3):292-299(2009) Garvie, C.W., et al. Biochim. Biophys. Acta 1779(12):797-804(2008) Ennis, S., et al. Lancet 372(9652):1828-1834(2008) Xu, Y., et al. J. Biol. Chem. 282(36):26046-26056(2007)