

RFXANK Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP16143c**Specification**

RFXANK Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [O14593](#)**RFXANK Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 8625**Other Names**

DNA-binding protein RFXANK, Ankyrin repeat family A protein 1, Regulatory factor X subunit B, RFX-B, Regulatory factor X-associated ankyrin-containing protein, RFXANK, ANKRA1, RFXB

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.

RFXANK Antibody (Center) Blocking Peptide - Protein Information**Name** RFXANK**Synonyms** ANKRA1, RFXB**Function**Activates transcription from class II MHC promoters. Activation requires the activity of the MHC class II transactivator/CIITA. May regulate other genes in the cell. RFX binds the X1 box of MHC-II promoters (PubMed: [9806546](http://www.uniprot.org/citations/9806546), PubMed: [10072068](http://www.uniprot.org/citations/10072068), PubMed: [10725724](http://www.uniprot.org/citations/10725724)). May also potentiate the activation of RAF1 (By similarity).**Cellular Location**

Cytoplasm {ECO:0000250|UniProtKB:Q9Z205}. Nucleus {ECO:0000250|UniProtKB:Q9Z205}

Tissue Location

Ubiquitous.

RFXANK Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

RFXANK Antibody (Center) Blocking Peptide - Images

RFXANK Antibody (Center) Blocking Peptide - Background

Major histocompatibility (MHC) class II molecules are transmembrane proteins that have a central role in development and control of the immune system. The protein encoded by this gene, along with regulatory factor X-associated protein and regulatory factor-5, forms a complex that binds to the X box motif of certain MHC class II gene promoters and activates their transcription. Once bound to the promoter, this complex associates with the non-DNA-binding factor MHC class II transactivator, which controls the cell type specificity and inducibility of MHC class II gene expression. This protein contains ankyrin repeats involved in protein-protein interactions. Mutations in this gene have been linked to bare lymphocyte syndrome type II, complementation group B. Two transcript variants encoding different isoforms have been described for this gene, with only one isoform showing activation activity.

RFXANK Antibody (Center) Blocking Peptide - References

Garvie, C.W., et al. Biochim. Biophys. Acta 1779(12):797-804(2008) Ewing, R.M., et al. Mol. Syst. Biol. 3, 89 (2007) Krawczyk, M., et al. Mol. Cell. Biol. 25(19):8607-8618(2005) Wang, A.H., et al. J. Biol. Chem. 280(32):29117-29127(2005) Grimwood, J., et al. Nature 428(6982):529-535(2004)