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RFXANK Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16143c

Specification

RFXANK Antibody (Center) - Product Information

Application	**WB,E**
Primary Accession	O14593
Other Accession	NP_604389.1, NP_003712.1
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**28102**
Antigen Region	**94-123**

RFXANK Antibody (Center) - 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

Target/Specificity
This RFXANK antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 94-123 amino acids from the Central region of human RFXANK.

Dilution
WB~~1:1000

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
RFXANK Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

RFXANK Antibody (Center) - 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, PubMed:10072068, PubMed:10725724). May also potentiate the activation of RAF1 (By similarity).

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

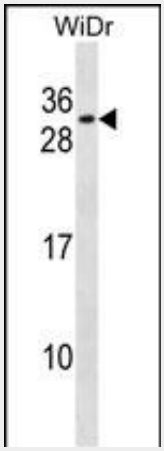
Tissue Location
Ubiquitous.

RFXANK Antibody (Center) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

RFXANK Antibody (Center) - Images



RFXANK Antibody (Center) (Cat. #AP16143c) western blot analysis in WiDr cell line lysates (35ug/lane).This demonstrates the RFXANK antibody detected the RFXANK protein (arrow).

RFXANK Antibody (Center) - 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) - 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)
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Grimwood, J., et al. Nature 428(6982):529-535(2004)