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RFX1 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16766B

Specification

RFX1 Antibody (C-term) - Product Information

Application	**IF, WB,E**
Primary Accession	P22670
Other Accession	P48377, NP_002909.4
Reactivity	**Human**
Predicted	**Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Antigen Region	**896-925**

RFX1 Antibody (C-term) - 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

Target/Specificity
This RFX1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 896-925 amino acids from the C-terminal region of human RFX1.

Dilution
IF~~1:10~50
WB~~1:2000

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
RFX1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

RFX1 Antibody (C-term) - 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.

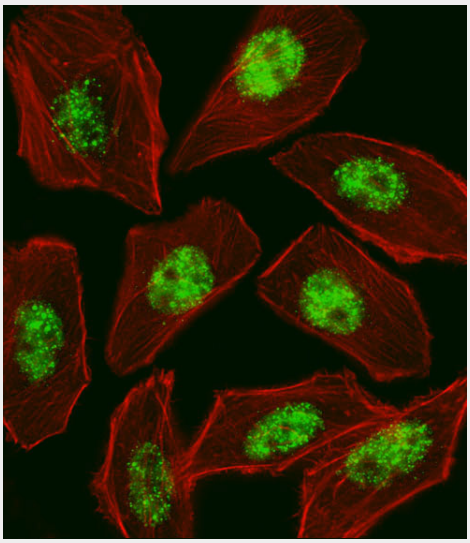
Cellular Location
Nucleus.

RFX1 Antibody (C-term) - 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

RFX1 Antibody (C-term) - Images



Fluorescent image of U251 cell stained with RFX1 Antibody (C-term)(Cat#AP16766b).U251 cells were fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0.1%, 10 min), then incubated with RFX1 primary antibody (1:25, 1 h at 37℃). For secondary antibody, Alexa Fluor® 488 conjugated donkey anti-rabbit antibody (green) was used (1:400, 50 min at 37℃).Cytoplasmic actin was counterstained with Alexa Fluor® 555 (red) conjugated Phalloidin (7units/ml, 1 h at 37℃).RFX1 immunoreactivity is localized to Nucleus significantly.

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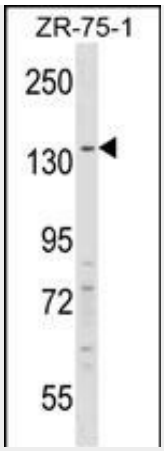
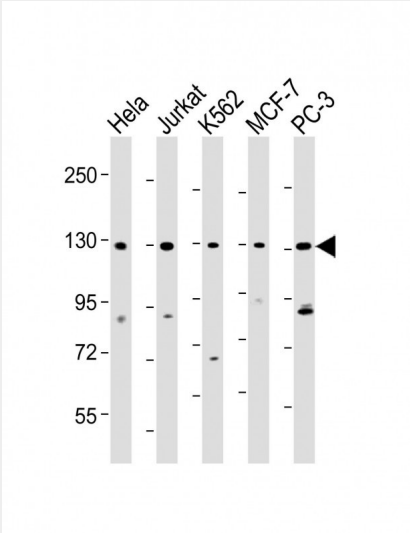


RFX1 Antibody (C-term) (Cat. #AP16766b) western blot analysis in ZR-75-1 cell line lysates (35ug/lane).This demonstrates the RFX1 antibody detected the RFX1 protein (arrow).



All lanes : Anti-RFX1 Antibody (C-term) at 1:2000 dilution Lane 1: Hela whole cell lysate Lane 2: Jurkat whole cell lysate Lane 3: K562 whole cell lysate Lane 4: MCF-7 whole cell lysate Lane 5: PC-3 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 105 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

RFX1 Antibody (C-term) - 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 X2, X3, X4, and X5. It is a transcriptional activator that can bind DNA 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 of MHC class II genes and is essential for their expression. Also, it can bind to an inverted repeat that is required for expression of hepatitis B virus genes.

RFX1 Antibody (C-term) - References

Zhao, M., et al. J. Autoimmun. 35(1):58-69(2010)

Purvis, T.L., et al. Gene 460 (1-2), 20-29 (2010) :
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