

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

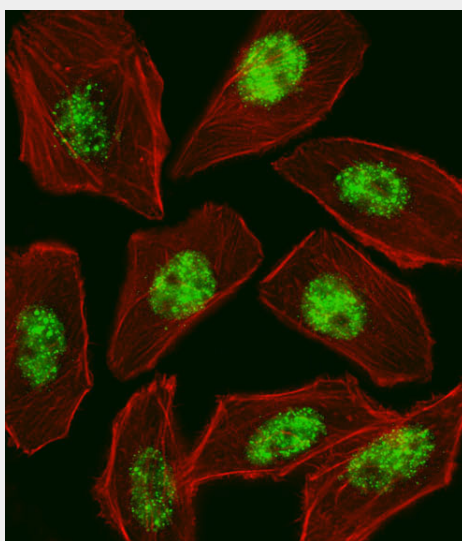
Nucleus.

RFX1 Antibody (C-term) - Protocols

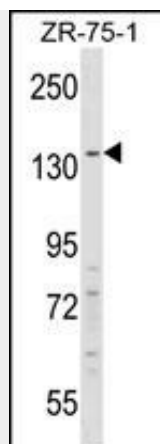
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

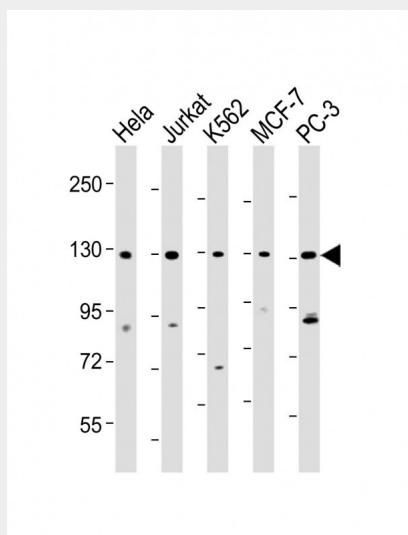
RFX1 Antibody (C-term) - Images



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°C). For secondary antibody, Alexa Fluor® 488 conjugated donkey anti-rabbit antibody (green) was used (1:400, 50 min at 37°C).Cytoplasmic actin was counterstained with Alexa Fluor® 555 (red) conjugated Phalloidin (7units/ml, 1 h at 37°C).RFX1 immunoreactivity is localized to Nucleus significantly.



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) :
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)