

Product datasheet

Anti-RFXANK antibody [3C10] ab119432

5 Images

Overview

Product name	Anti-RFXANK antibody [3C10]
Description	Mouse monoclonal [3C10] to RFXANK
Tested applications	Suitable for: WB, IHC-P, Flow Cyt, ICC/IF
Species reactivity	Reacts with: Human
Immunogen	Full length Human recombinant protein (NP_604389) produced in HEK293T cells.
Positive control	Lysate of HEK293T cells transfected with pCMV6-ENTRY RFXANK cDNA for 48 hrs. Carcinoma of Human bladder tissue. Human tonsil tissue. COS7 cells transiently transfected by pCMV6-ENTRY RFXANK. Jurkat cells.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
Storage buffer	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 50% Glycerol, 1% BSA, 48% PBS
Purity	Protein G purified
Purification notes	Purified from mouse ascites fluids by affinity chromatography
Clonality	Monoclonal
Clone number	3C10
Isotype	IgG1

Applications

Our [Abpromise guarantee](#) covers the use of **ab119432** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/500. Predicted molecular weight: 28 kDa.
IHC-P		1/150.

Flow Cyt

1/100. [ab170190](#)-Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

ICC/IF

1/100.

Target

Function

Activates transcription from class II MHC promoters. Activation requires the activity of the MHC class II transactivator (MHC2TA). May regulate other genes in the cell. RFX binds the X1 box of MHC-II promoters. Isoform RFX-B-delta5 is not involved in the positive regulation of MHC class II genes.

Tissue specificity

Ubiquitous.

Involvement in disease

Defects in RFXANK are a cause of bare lymphocyte syndrome type 2 (BLS2) [MIM:209920]; also known as hereditary MHC class II deficiency or HLA class II-deficient combined immunodeficiency. BLS2 is a severe combined immunodeficiency disease with early onset. It is characterized by a profound defect in constitutive and interferon-gamma induced MHC II expression, absence of cellular and humoral T-cell response to antigen challenge, hypogammaglobulinemia and impaired antibody production. The consequence include extreme susceptibility to viral, bacterial and fungal infections.

Sequence similarities

Contains 5 ANK repeats.

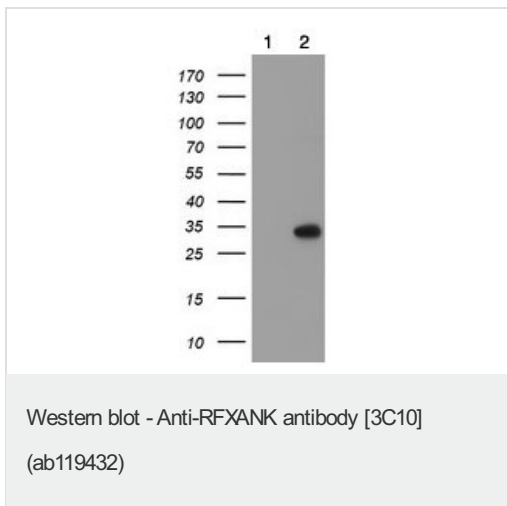
Domain

The third ankyrin repeat is required for association with the two other RFX subunits; RFX5 and RFXAP.

Cellular localization

Nucleus.

Anti-RFXANK antibody [3C10] images



All lanes : Anti-RFXANK antibody [3C10]

(ab119432) at 1/500 dilution

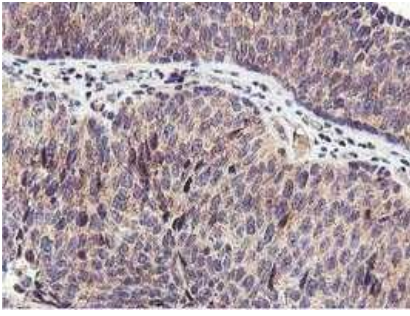
Lane 1 : lysate of HEK293T cells transfected with the pCMV6-ENTRY control

Lane 2 : lysate of HEK293T cells transfected with the pCMV6-ENTRY RFXANK cDNA for 48 hrs

Lysates/proteins at 5 µg per lane.

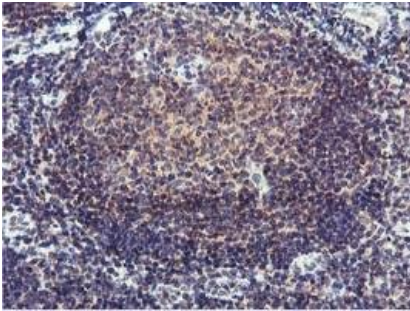
Predicted band size : 28 kDa

HEK293T cell lysates were generated from transient transfection of the cDNA clone (RC204190)



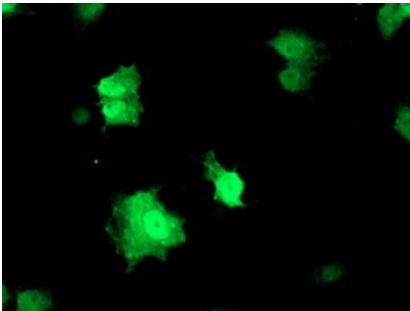
Immunohistochemical staining of paraffin-embedded carcinoma of Human bladder tissue using 1/150 ab119432.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-RFXANK antibody [3C10] (ab119432)



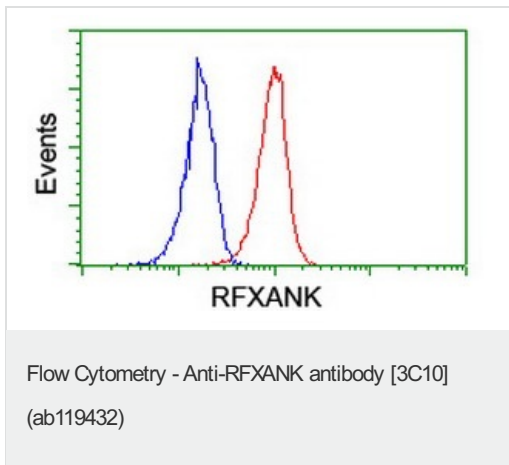
Immunohistochemical staining of paraffin-embedded Human tonsil using 1/150 ab119432.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-RFXANK antibody [3C10] (ab119432)



1/100 ab119432 immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY RFXANK.

Immunocytochemistry/ Immunofluorescence - Anti-RFXANK antibody [3C10] (ab119432)



Flow cytometric analysis of Jurkat cells, using 1/100 ab119432 (Red), compared to a nonspecific negative control antibody (Blue).

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