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RFX1 (vPair™) Antibodies

Cat#: R2972-vp

Lot#: Refer to vial

Predicted | Observed M.W.: 105 | 135 kDa

Uniprot ID: P22670

Application: WB, IP, ChIP

Quantity: 50 ul RFX1 (N) (R2972-1) Rabbit Polyclonal Antibody &
50 ul RFX1 (C) (R2972-2) Rabbit Polyclonal Antibody

Product Introduction:

vPair™ antibodies represent a pair of fully characterized antibodies that recognize two different regions of a target protein. The product is developed by Abiocode to address whether the signal observed truly represents the protein of interest, an often encountered issue in antibody-based assays. The use of a pair of fully characterized vPair™ antibodies in the same assay can validate signal specificity since vPair™ antibodies recognize two independent epitopes of the same protein. Different sets of vPair™ antibodies are developed at Abiocode to work with specific applications, including antibody arrays, Western blot, IP-Western, ChIP, IHC, and FACS.

Background:

Regulatory factor X 1 (RFX1) is a member of the regulatory factor X gene family, which encodes transcription factors that contain a highly-conserved winged helix DNA binding domain. RFX1 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. RFX1 binds to the X-boxes of MHC class II genes and is essential for their expression. Also, it can bind to an inverted repeat required for expression of hepatitis B virus genes [provided by RefSeq].

Other Names:

MHC class II regulatory factor RFX1, Enhancer factor C, EF-C, Regulatory factor X 1, RFX, Transcription factor RFX1

Source and Purity:

Rabbit polyclonal antibodies were produced by immunizing animals with GST-fusion proteins containing either the N-terminal [RFX1 (N) (R2972-1)] or the C-terminal [RFX1 (C) (R2972-2)] region of human RFX1. Antibodies were purified by affinity purification using immunogen.

Species Specificity:

Human

**For research use only. Not for therapeutic or diagnostic purposes.
Abiocode, Inc., 29397 Agoura Rd., Ste 106, Agoura Hills, CA 91301**

Storage Buffer and Condition:

Supplied in 1 x PBS (pH 7.4), 100 ug/ml BSA, 40% Glycerol, 0.01% NaN₃. Store at -20 °C. Stable for 6 months from date of receipt.

Tested Applications:

WB: 1:1,000-1:3,000 (detect endogenous protein*)

IP & ChIP: 1:100-1:200

*: The apparent protein size on WB may be different from the calculated M.W. due to modifications.

Product Data:

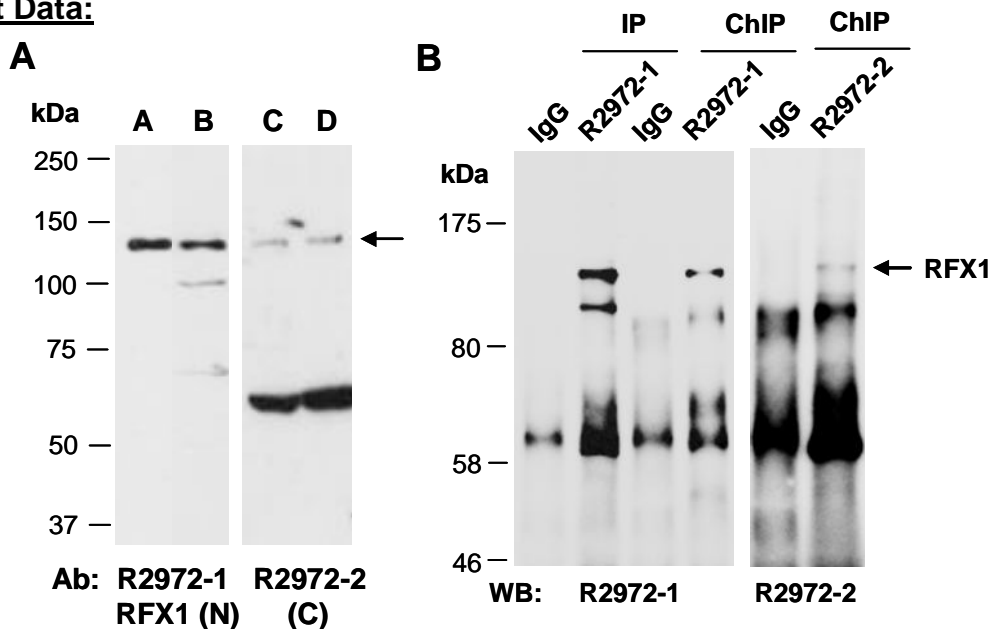


Fig 1. (A) Western blot of total cell extracts from a,c. human HeLa, b,d. human Jurkat; using 2 independent Abs against 2 distinct regions of human RFX1 at RT for 2 h. **(B)** Total extracts from human HeLa were immunoprecipitated (IP) with IgG or indicated Abs under the conventional IP conditions or cross-linked chromatin immunoprecipitation (ChIP) conditions; followed by WB with the same Ab and Rabbit IgG light chain-specific 2nd antibody.