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Product datasheet for TA347274

RFXAP Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Recommended Dilution:	ChIP (5-7 µg/IP)
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-RFX-AP antibody: RFXAP (Regulatory factor X-associated protein), using the recombinant protein.
Concentration:	lot specific
Purification:	Affinity purified polyclonal antibody in PBS containing 0.05% azide and 0.05% ProClin 300.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	regulatory factor X associated protein
Database Link:	NP_000529 Entrez Gene 5994 Human O00287
Background:	RFXAP (UniProtKB/Swiss-Prot entry O00287) is part of the RFX complex that binds to the X-box of MHC II promoters. The RFX complex consists of at least 3 different subunits; RFXAP, RFX5 and RFX-B/RFXANK; with each subunit representing a separate complementation group. RFX forms cooperative DNA binding complexes with X2BP and CBF/NF-Y. RFX associates with CIITA to form an active transcriptional complex. Defects in RFXAP can cause bare lymphocyte syndrome type II (BLS II); also known as hereditary MHC class II deficiency or HLA class II-deficient combined immunodeficiency.
Synonyms:	RFXAP
Protein Families:	Transcription Factors
Protein Pathways:	Antigen processing and presentation, Primary immunodeficiency

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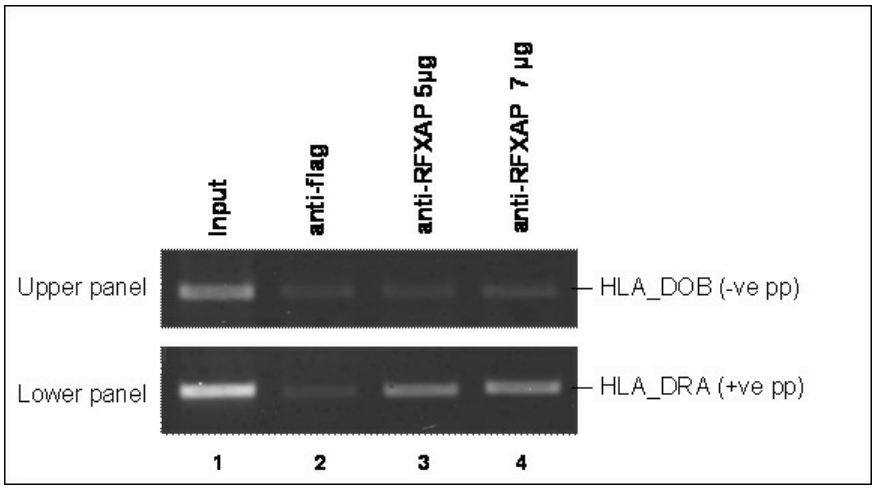
Product images:



ChIP assays were performed using NALM cells (a cell line derived from human pre-B leukemia), the antibody against RFXAP and optimized primer sets for PCR. Sheared chromatin from 2 million cells and respectively 5 and 7 ug of antibody were used per ChIP experiment. An anti-flag antibody (lane 2) was used as negative IP control. Image shows the result of the end-point PCR with primers for HLA_DRA, used as positive control (lower panel) and for HLA_DOB, used a negative PCR control (upper panel).