

## Anti-RFX5 (RABBIT) Antibody - 100-401-194

**Code:** 100-401-194

**Size:** 100 µL

**Product Description:** Anti-RFX5 (RABBIT) Antibody - 100-401-194

**Concentration:** 85 mg/mL by UV absorbance at 280 nm

**PhysicalState:** Liquid (sterile filtered)

<b>Label</b>	Unconjugated
<b>Host</b>	Rabbit
<b>Gene Name</b>	RFX5
<b>Species Reactivity</b>	human
<b>Buffer</b>	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
<b>Stabilizer</b>	None
<b>Preservative</b>	0.01% (w/v) Sodium Azide
<b>Storage Condition</b>	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
<b>Synonyms</b>	rabbit anti-RFX5 Antibody, DNA binding protein RFX5 antibody, Influences HLA class II expression antibody, Regulatory factor X 5 antibody, Regulatory factor X subunit 5 antibody, MHC
<b>Application Note</b>	Anti-RFX5 Antibody was also tested in a gel supershift assay and found to be reactive against RFX5 complexes using 0.5 to 1.0 µl per assay. Specific conditions should be optimized by user. Anti-RFX5 Antibody was assayed by immunoblot and found to be reactive against RFX5 (aa 320 to 494) from a variety of fibroblast and B-cell lysates at a dilution of 1:1,000 followed by reaction with Peroxidase conjugated Affinity Purified anti-Rabbit IgG. Anti-RFX5 (aa 320 to 494) detects a 75 kDa band by immunoblot for human RFX5. Other assays should be optimized by researcher.
<b>Background</b>	RFX5 Antibody detects the RFX5 protein. Regulatory factor X subunit 5 (RFX5) is a member of a family of DNA-binding proteins that share a novel and highly characteristic DNA-binding domain called the RFX motif. It mediates cooperative binding between RFX and NF- $\kappa$ B, recognizes X-boxes, and activates transcription from class II MHC promoters. RFX5 mutations are seen in cases of a severe immunodeficiency syndrome called MHC-II deficiency (also known as bare lymphocyte syndrome (BLS)). These mutations prevent the RFX complex from binding to the X box in MHC-II promoters, resulting in a lack of MHC-II expression. Anti-RFX5 antibody is ideal for investigators involved in cytokines and growth factor research.
<b>Purity And Specificity</b>	Anti-RFX5 Antibody was prepared by repeated immunizations of an RFX5 peptide conjugate and purified as monospecific antiserum after delipidation and defibrination.
<b>Assay Dilutions</b>	User Optimized
<b>ELISA</b>	1:5,000 - 1:25,000
<b>Western Blot</b>	1:500 - 1:3,000
<b>Other Assays</b>	User Optimized
<b>Expiration</b>	Expiration date is one (1) year from date of opening.
<b>Immunogen</b>	RFX5 peptide corresponding to amino acids 320 to 494 of the human protein conjugated to Keyhole Limpet Hemocyanin (KLH).
<b>General Reference</b>	Reith W, Mach B (2001). "The bare lymphocyte syndrome and the regulation of MHC expression". Annu. Rev. Immunol. 19: 331-73.

**Related Products**

100-401-191	Anti-RFX5 (C-terminal) (RABBIT) Antibody - 100-401-191
100-401-193	Anti-RFX5 (N-terminal) (RABBIT) Antibody - 100-401-193
200-401-191	Anti-RFX5 (C-terminal) (RABBIT) Antibody - 200-401-191
200-401-193	Anti-RFX5 (N-terminal) (RABBIT) Antibody - 200-401-193

## Related Links

NCBI - CAO72162.1

<http://www.ncbi.nlm.nih.gov/protein/CAO72162.1>

UniProtKB - P48382

<http://www.uniprot.org/uniprot/P48382>

GeneID - 5993

## Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.