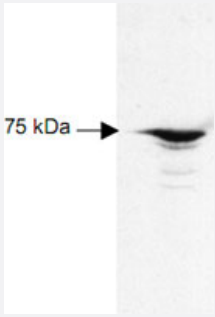
RFX5 polyclonal antibody

Catalog # PAB11300 Size 100 ug

Applications



Western Blot (Cell lysate)

RFX5 polyclonal antibody (Cat # PAB11300) (amino acids 320-494) is shown to detect RFX5 present in Raji B cell nuclear extract lysates.
Detection occurs using a 1 : 2,500 dilution of antibody.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of RFX5.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to amino acids 320-494 of human RFX5.
Host	Rabbit
Reactivity	Human
Form	Liquid
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	Western Blot (1:1000) Gel Supershift assay (0.5-1.0 ul per assay) The optimal working dilution should be determined by the end user.
Storage Buffer	In 20 mM KH_2PO_4, 150 mM NaCl, pH 7.2 (0.01% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

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Applications

- Western Blot (Cell lysate)

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- Enzyme-linked Immunoabsorbent Assay

- Gel Supershift Assay

Gene Info — RFX5

Entrez GeneID	5993
Gene Name	RFX5
Gene Alias	-
Gene Description	regulatory factor X, 5 (influences HLA class II expression)
Omim ID	209920 601863
Gene Ontology	Hyperlink
Gene Summary	A lack of MHC-II expression results in a severe immunodeficiency syndrome called MHC-II deficiency, or the bare lymphocyte syndrome (BLS; MIM 209920). At least 4 complementation groups have been identified in B-cell lines established from patients with BLS. The molecular defects in complementation groups B, C, and D all lead to a deficiency in RFX, a nuclear protein complex that binds to the X box of MHC-II promoters. The lack of RFX binding activity in complementation group C results from mutations in the RFX5 gene encoding the 75-kD subunit of RFX (Steimle et al., 1995). RFX5 is the fifth member of the growing family of DNA-binding proteins sharing a novel and highly characteristic DNA-binding domain called the RFX motif. Multiple alternatively spliced transcript variants have been found but the full-length natures of only two have been determined. [provided by RefSeq
Other Designations	OTTHUMP00000082795|OTTHUMP00000196318|regulatory factor X, 5

Publication Reference

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- A novel DNA-binding regulatory factor is mutated in primary MHC class II deficiency (bare lymphocyte syndrome).

  Steimle V, Durand B, Barras E, Zufferey M, Hadam MR, Mach B, Reith W.

  Genes & Development 1995 May; 9(9):1021.

Pathway

- Antigen processing and presentation
- Primary immunodeficiency

Disease

- Macular Degeneration

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