

## Summary

<b>Production Name</b>	NF-YB Rabbit Polyclonal Antibody
<b>Description</b>	Rabbit Polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IHC-P,IF-P,IF-F,ICC/IF,ELISA
<b>Reactivity</b>	Human,Mouse,Rat

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Form</b>	Liquid
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
<b>Purification</b>	Affinity purification

## Immunogen

<b>Gene Name</b>	NFYB
<b>Alternative Names</b>	NFYB; HAP3; Nuclear transcription factor Y subunit beta; CAAT box DNA-binding protein subunit B; Nuclear transcription factor Y subunit B; NF-YB
<b>Gene ID</b>	4801.0
<b>SwissProt ID</b>	P25208.The antiserum was produced against synthesized peptide derived from human NFYB. AA range:1-50

## Application

<b>Dilution Ratio</b>	WB 1:500-1:2000, IHC-P 1:100-1:300, ELISA 1:10000, IF-P/IF-F/ICC/IF 1:50-200
<b>Molecular Weight</b>	29kDa

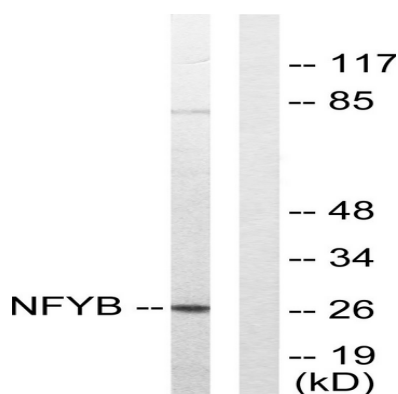
## Background

The protein encoded by this gene is one subunit of a trimeric complex, forming a highly conserved transcription factor that binds with high specificity to CCAAT motifs in the promoter regions in a variety of genes. This gene product, subunit B, forms a tight dimer with the C subunit, a prerequisite for subunit A association. The resulting trimer binds to DNA with high specificity and affinity. Subunits B and C each contain a histone-like motif. Observation of the histone nature of these subunits is supported by two types of evidence; protein sequence alignments and experiments with mutants. [provided by RefSeq, Jul 2008], domain: Can be divided into 3 domains: the weakly conserved A domain, the highly conserved B domain thought to be involved in subunit interaction and DNA binding, and the Glu-rich C domain., function: Stimulates the transcription of various genes by recognizing and binding to a CCAAT motif in promoters, for example in type 1 collagen, albumin and beta-actin genes., similarity: Belongs to the NFYB/HAP3 subunit family., subunit: Heterotrimeric transcription factor composed of three components, NF-YA, NF-YB and NF-YC. NF-YB and NF-YC must interact and dimerize for NF-YA association and DNA binding.,

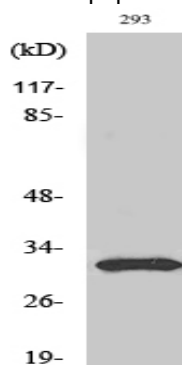
## Research Area

Antigen processing and presentation;

## Image Data



Western blot analysis of lysates from 293 cells, using NFYB Antibody. The lane on the right is blocked with the synthesized peptide.



**Product Name: NF-YB Rabbit Polyclonal Antibody**  
**Catalog #: APRab14663**

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Western Blot analysis of various cells using NF-YB Polyclonal Antibody cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Invent biotech, MN, USA) .

**Note**

For research use only.