



# NF-YB Monoclonal Antibody

Catalog No	BYmab-01902
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	NFYB
Protein Name	Nuclear transcription factor Y subunit beta
Immunogen	The antiserum was produced against synthesized peptide derived from human NFYB. AA range:1-50
Specificity	NF-YB Monoclonal Antibody detects endogenous levels of NF-YB protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	NFYB; HAP3; Nuclear transcription factor Y subunit beta; CAAT box DNA-binding protein subunit B; Nuclear transcription factor Y subunit B; NF-YB
Observed Band	29kD
Cell Pathway	Nucleus.
Tissue Specificity	Urinary bladder,
Function	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.,

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## 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],

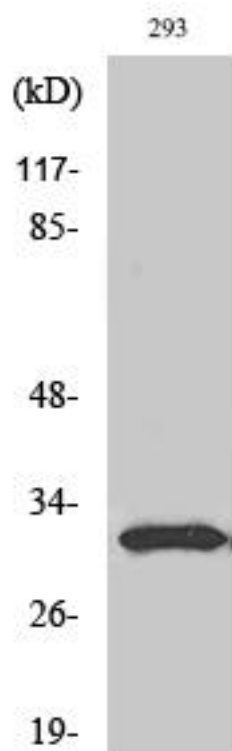
## matters needing attention

Avoid repeated freezing and thawing!

## Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images



Western Blot analysis of various cells using NF-YB Monoclonal Antibody