NF-YB Polyclonal Antibody

Catalog No :	YT3091
Reactivity :	Human;Mouse;Rat
Applications :	WB;IHC;IF;ELISA
Target :	NF-YB
Fields :	>>Antigen processing and presentation;>>Tuberculosis;>>Human T-cell leukemia virus 1 infection
Gene Name :	NFYB
Protein Name :	Nuclear transcription factor Y subunit beta
Human Gene Id :	4801
Human Swiss Prot No :	P25208
Mouse Gene Id :	18045
Mouse Swiss Prot No :	P63139
Rat Gene Id :	25336
Rat Swiss Prot No :	P63140
Immunogen :	The antiserum was produced against synthesized peptide derived from human NFYB. AA range:1-50
Specificity :	NF-YB Polyclonal Antibody detects endogenous levels of NF-YB protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:10000.. IF 1:50-200

Purification : The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Concentration : 1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 29kD

Cell Pathway : Antigen processing and presentation;

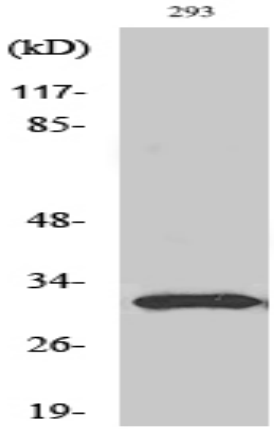
Background : The protein encoded by this gene is one subunit of a trimeric complex, forming a highly conserved transcription factor that binds with high specificity to CCAAT motifs in the promoter regions in a variety of genes. This gene product, subunit B, forms a tight dimer with the C subunit, a prerequisite 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],

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.,

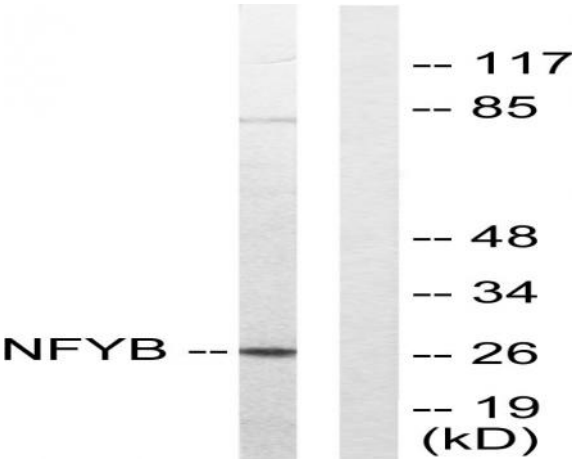
Subcellular Location : Nucleus.

Expression : Urinary bladder,

Products Images



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



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

Immunohistochemical analysis of paraffin-embedded human spleen. 1, Tris-EDTA,pH9.0 was used for antigen retrieval. 2 Antibody was diluted at 1:200(4° overnight.3,Secondary antibody was diluted at 1:200(room temperature, 45min).