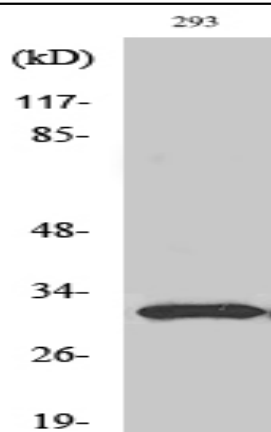


NF-YB Polyclonal Antibody

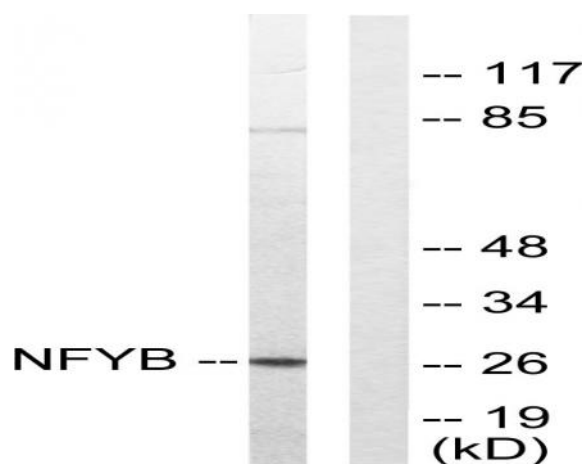
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|------------------------------|--|
| Catalog No : | YT3091 |
| Reactivity : | Human;Mouse;Rat |
| Applications : | WB;IHC;IF;ELISA |
| Target : | NF-YB |
| Fields : | >>Antigen processing and presentation;>>Tuberculosis;>>Human T-cell leukemia virus 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 : | <p>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],</p> |
| Function : | <p>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.,</p> |
| 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).