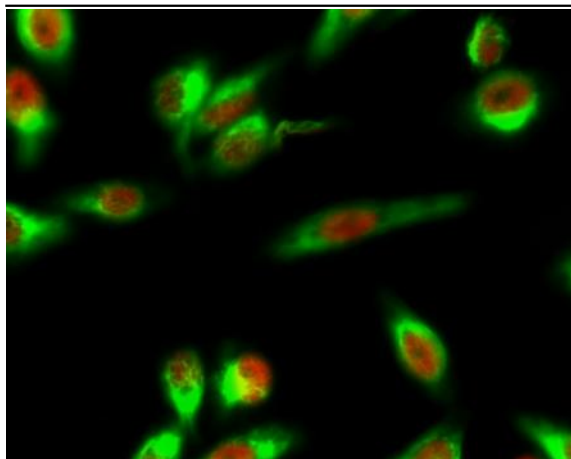


NF-YA Polyclonal Antibody

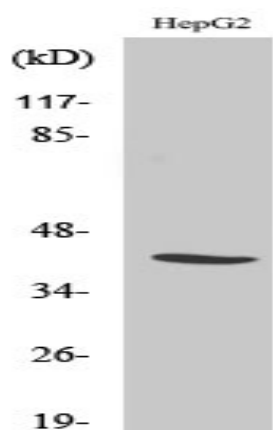
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|------------------------------|--|
| Catalog No : | YT3090 |
| Reactivity : | Human;Mouse;Rat |
| Applications : | WB;IHC;IF;ELISA |
| Target : | NF-YA |
| Fields : | >>Antigen processing and presentation;>>Spinocerebellar ataxia;>>Tuberculosis |
| Gene Name : | NFYA |
| Protein Name : | Nuclear transcription factor Y subunit alpha |
| Human Gene Id : | 4800 |
| Human Swiss Prot No : | P23511 |
| Mouse Gene Id : | 18044 |
| Mouse Swiss Prot No : | P23708 |
| Rat Gene Id : | 29508 |
| Rat Swiss Prot No : | P18576 |
| Immunogen : | The antiserum was produced against synthesized peptide derived from human NFYA. AA range:261-310 |
| Specificity : | NF-YA Polyclonal Antibody detects endogenous levels of NF-YA 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. IF 1:200 - 1:1000. ELISA: 1:20000. Not yet tested in other applications. |

| | |
|-------------------------------|---|
| 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 : | 43kD |
| 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 to CCAAT motifs in the promoter regions in a variety of genes. Subunit A associates with a tight dimer composed of the B and C subunits, resulting in a trimer that binds to DNA with high specificity and affinity. The sequence specific interactions of the complex are made by the A subunit, suggesting a role as the regulatory subunit. In addition, there is evidence of post-transcriptional regulation in this gene product, either by protein degradation or control of translation. Further regulation is represented by alternative splicing in the glutamine-rich activation domain, with clear tissue-specific preferences for the two isoforms. [provided by RefSeq, Jul 2008], |
| Function : | 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 NFYA/HAP2 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 : | Testis, |

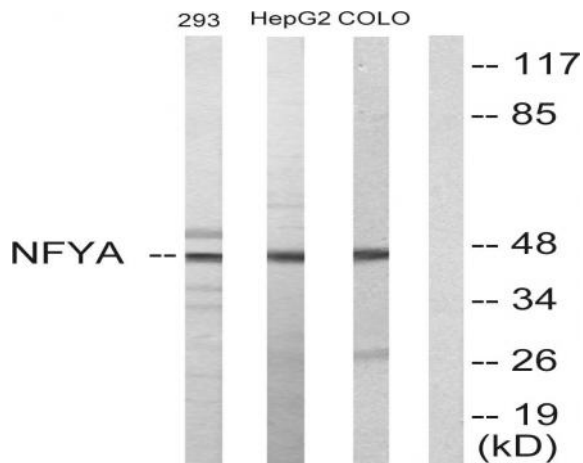
Products Images



Immunofluorescence analysis of HeLa cell. 1, NF-YA Polyclonal Antibody (red) was diluted at 1:200 (4 ° overnight). LC3A mouse Monoclonal Antibody (5G10) (green) was diluted at 1:200 (4 ° overnight). 2, Goat Anti Rabbit Alexa Fluor 594 Catalog: RS3611 was diluted at 1:1000 (room temperature, 50 min). Goat Anti Mouse Alexa Fluor 488 Catalog: RS3208 was diluted at 1:1000 (room temperature, 50 min).



Western Blot analysis of various cells using NF-YA Polyclonal Antibody diluted at 1:1000. Cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Invent Biotech, MN, USA).



Western blot analysis of lysates from HepG2, 293, and COLO205 cells, using NF-YA Antibody. The lane on the right is blocked with the synthesized peptide.



Immunohistochemical analysis of paraffin-embedded human spleen. 1, Tris-EDTA, pH 9.0 was used for antigen retrieval. 2 Antibody was diluted at 1:200 (4° overnight). 3, Secondary antibody was diluted at 1:200 (room temperature, 45 min).