

# NFYA Rabbit mAb

Catalog No.: A25583 **Recombinant** **1 Publications**

## Basic Information

### Observed MW

37kDa/43kDa

### Calculated MW

34kDa/37kDa

### Category

Primary antibody

### Applications

WB,IP,IHC-P,ChIP,ELISA

### Cross-Reactivity

Human, Mouse, Rat

### CloneNo number

ARC66393

## 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.

## Recommended Dilutions

<b>WB</b>	1:1000 - 1:6000
<b>IP</b>	0.5µg-4µg antibody for 200µg-400µg extracts of whole cells
<b>IHC-P</b>	1:300 - 1:3000
<b>ChIP</b>	5µg antibody for 10µg-15µg of Chromatin
<b>ELISA</b>	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

## Contact

☎ | 400-999-6126  
✉ | [cn.market@abclonal.com.cn](mailto:cn.market@abclonal.com.cn)

## Immunogen Information

### Gene ID

4800

### Swiss Prot

P23511

### Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

### Synonyms

HAP2; CBF-A; CBF-B; NF-YA

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

### Storage

Store at -20°C. Avoid freeze / thaw cycles.

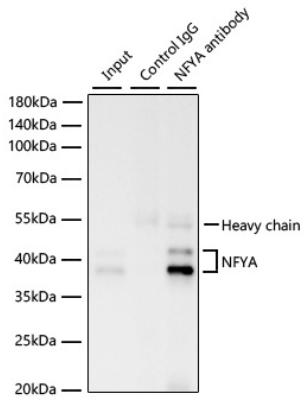
Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.



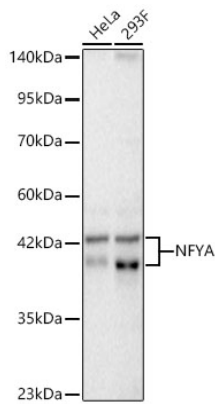
| [www.abclonal.com.cn](http://www.abclonal.com.cn)

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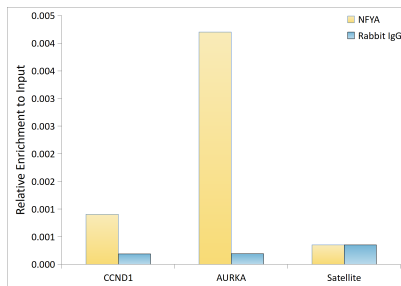
## Validation Data



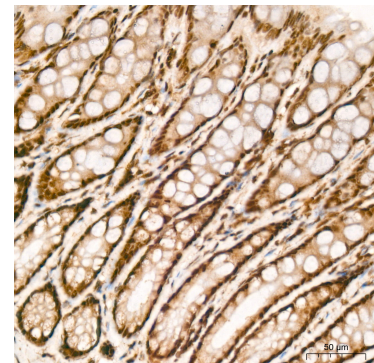
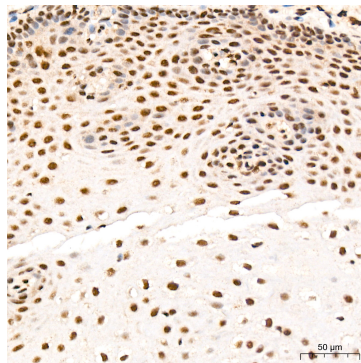
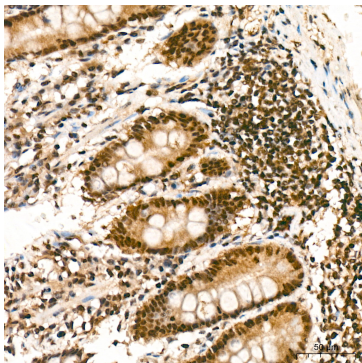
Immunoprecipitation of NFYA from 300  $\mu$ g extracts of 293F cells was performed using 1  $\mu$ g of NFYA Rabbit mAb (A25583). Rabbit Control IgG (AC005) was used to precipitate the Control IgG sample. IP samples were eluted with 1x Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using NFYA Rabbit mAb (A25583) at a dilution of 1:1000.



Western blot analysis of various lysates using NFYA Rabbit mAb (A25583) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25  $\mu$ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.



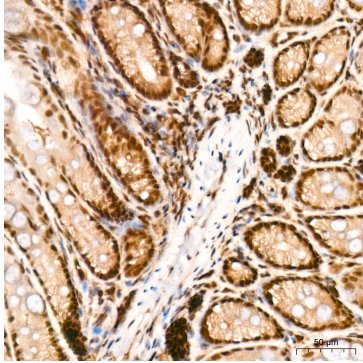
Chromatin immunoprecipitation was performed with 10  $\mu$ g of cross-linked chromatin from 293T, using 5  $\mu$ g of NFYA Rabbit mAb (A25583) and Rabbit IgG isotype control (AC042). The enrichment of immunoprecipitated DNA at different genomic loci was examined by quantitative PCR. The histogram compares the ratio of the immunoprecipitated DNA to the input at given loci.



## Validation Data

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Immunohistochemistry analysis of paraffin-embedded Human colon tissue using NFYA Rabbit mAb (A25583) at a dilution of 1:300 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse colon tissue using NFYA Rabbit mAb (A25583) at a dilution of 1:300 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.

Immunohistochemistry analysis of paraffin-embedded Human esophagus tissue using NFYA Rabbit mAb (A25583) at a dilution of 1:300 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.

Immunohistochemistry analysis of paraffin-embedded Rat colon tissue using NFYA Rabbit mAb (A25583) at a dilution of 1:300 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.