

# NFYA Rabbit mAb

Catalog No.: A25583 **Recombinant**

## Basic Information

### Observed MW

37kDa/43kDa

### Calculated MW

34kDa/37kDa

### Category

Primary antibody

### Applications

ELISA, WB, IHC-P, ChIP

### 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

**WB** 1:500 - 1:1000

**IHC-P** 1:100 - 1:500

**ChIP** 5µg antibody for  
10µg-15µg of Chromatin

## Immunogen Information

### Gene ID

4800

### Swiss Prot

P23511

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 262-332 of human NFYA (NP\_002496.1).

### Synonyms

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

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

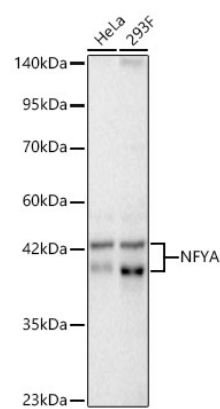
Affinity purification

### Storage

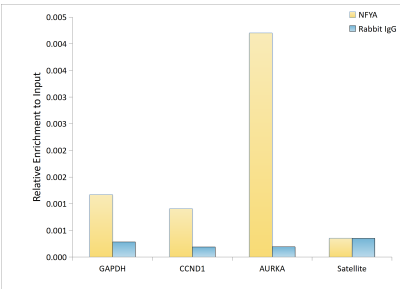
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.

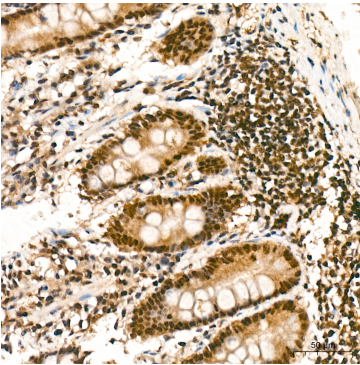
Validation Data



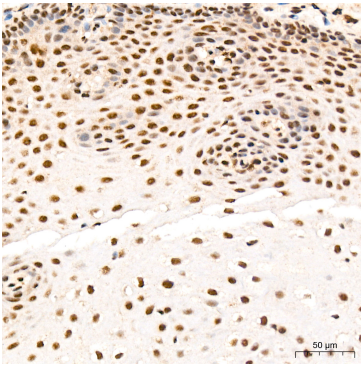
Western blot analysis of various lysates using NFYA Rabbit mAb (A25583) at 1:1000 dilution.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25 µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure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



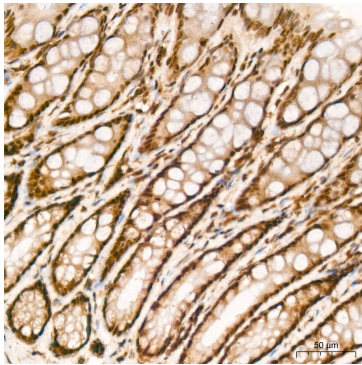
Chromatin immunoprecipitation was performed with cross-linked chromatin from 293T cells, using NFYA Rabbit mAb (A25583) and rabbit IgG (AC042). The amount of immunoprecipitated DNA was checked by quantitative PCR. Histogram compares the ratio of the immunoprecipitated DNA versus the input.



Immunohistochemistry analysis of NFYA in 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.



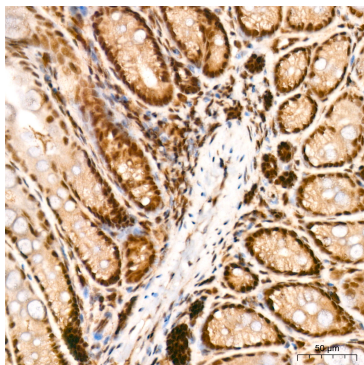
Immunohistochemistry analysis of NFYA in paraffin-embedded Human esophagus tissue using NFYA Rabbit mAb (A25583) at a dilution of 1:300 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of NFYA in 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.

## Validation Data

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Immunohistochemistry analysis of NFYA in 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.