

## NF-YA Polyclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-AP05969
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Size</b>	20ul, 50ul, 100ul
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human NFYA. AA range:261-310
<b>Mol wt</b>	36877
<b>Species reactivity</b>	Human, Mouse, Rat
<b>Clonality</b>	Polyclonal
<b>Recommended application</b>	WB, IHC-p, IF, ELISA
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	NF-YA Antibody
<b>Synonyms</b>	NFYA; Nuclear transcription factor Y subunit alpha; CAAT box DNA-binding protein subunit A; Nuclear transcription factor Y subunit A; NF-YA

**This product is for research use only, not for use in human, therapeutic or diagnostic procedure.**

### Background

The protein encoded by NFYA 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 NFYA 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 Dilution

WB: 1: 500 - 1: 2000

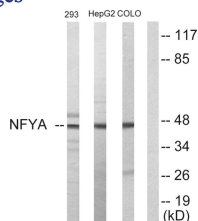
IHC: 1: 100 - 1: 300

IF: 1: 200 - 1: 1000

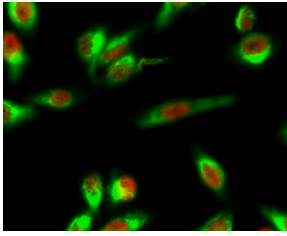
ELISA: 1: 20000

Not yet tested in other applications.

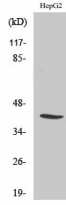
### Images



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



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 was diluted at 1:1000 (room temperature, 50min). Goat Anti Mouse Alexa Fluor 488 was diluted at 1:1000 (room temperature, 50min).



Western Blot analysis of various cells using NF-YA Polyclonal Antibody diluted at 1:1000 cells nucleus.

### Storage

-20°C for one year

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