

NFYB Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14334A**Specification**

NFYB Antibody (N-term) - Product Information

Application	IF, WB,E
Primary Accession	P25208
Other Accession	P63140 , P63139 , P25207 , Q32KW0 , NP_006157.1 , Q6RG77
Reactivity	Human
Predicted	Bovine, Chicken, Horse, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	22831
Antigen Region	17-46

NFYB Antibody (N-term) - Additional Information**Gene ID** 4801**Other Names**

Nuclear transcription factor Y subunit beta, CAAT box DNA-binding protein subunit B, Nuclear transcription factor Y subunit B, NF-YB, NFYB, HAP3

Target/Specificity

This NFYB antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 17-46 amino acids from the N-terminal region of human NFYB.

Dilution

IF~~1:10~50

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

NFYB Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

NFYB Antibody (N-term) - Protein Information

Name NFYB

Synonyms HAP3

Function Component of the sequence-specific heterotrimeric transcription factor (NF-Y) which specifically recognizes a 5'-CCAAT-3' box motif found in the promoters of its target genes. NF-Y can function as both an activator and a repressor, depending on its interacting cofactors.

Cellular Location

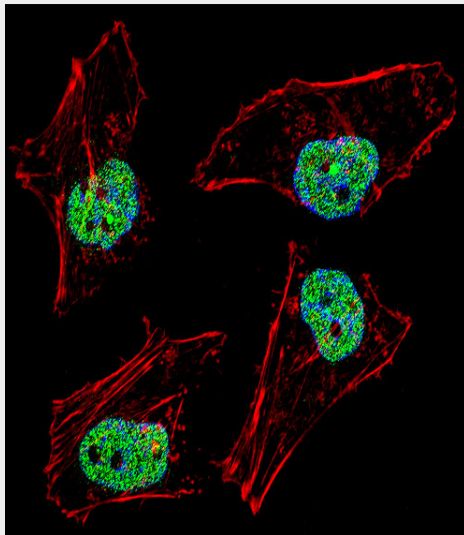
Nucleus.

NFYB Antibody (N-term) - Protocols

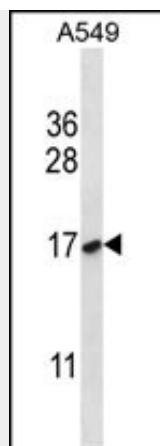
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

NFYB Antibody (N-term) - Images



Fluorescent confocal image of HeLa cell stained with NFYB Antibody (N-term)(Cat#AP14334a). HeLa cells were fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0.1%, 10 min), then incubated with NFYB primary antibody (1:25, 1 h at 37°C). For secondary antibody, Alexa Fluor® 488 conjugated donkey anti-rabbit antibody (green) was used (1:400, 50 min at 37°C). Cytoplasmic actin was counterstained with Alexa Fluor® 555 (red) conjugated Phalloidin (7 units/ml, 1 h at 37°C). Nuclei were counterstained with DAPI (blue) (10 µg/ml, 10 min). NFYB immunoreactivity is localized to nucleus significantly.



NFYB Antibody (N-term) (Cat. #AP14334a) western blot analysis in A549 cell line lysates (35ug/lane). This demonstrates the NFYB antibody detected the NFYB protein (arrow).

NFYB Antibody (N-term) - Background

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.

NFYB Antibody (N-term) - References

Stros, M., et al. Nucleic Acids Res. 37(7):2070-2086(2009)
Kang, J.H., et al. J. Cell. Biochem. 104(4):1192-1203(2008)
Raju, C.S., et al. Mol. Biol. Cell 19(7):3008-3019(2008)
Di Agostino, S., et al. Cancer Cell 10(3):191-202(2006)
Kahle, J., et al. Mol. Cell. Biol. 25(13):5339-5354(2005)