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NFYB Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant NFYB.
Catalog # AT3041a

Specification

NFYB Antibody (monoclonal) (M01) - Product Information

Application	**WB, E**
Primary Accession	P25208
Other Accession	BC005317
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG2a Kappa**
Calculated MW	**22831**

NFYB Antibody (monoclonal) (M01) - 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
NFYB (AAH05317, 1 a.a. ~ 207 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution
WB~~1:500~1000

Format
Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage
Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions
NFYB Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

NFYB Antibody (monoclonal) (M01) - Protocols

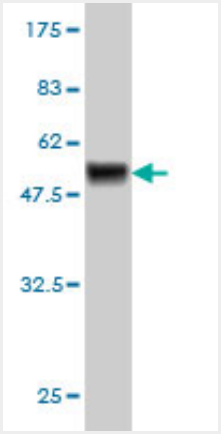
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot

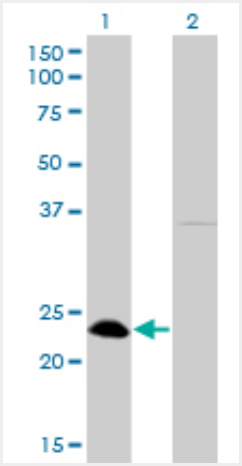
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- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

NFYB Antibody (monoclonal) (M01) - Images



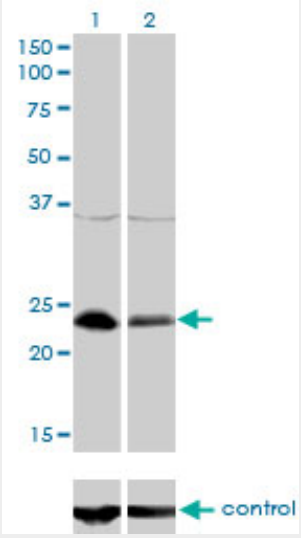
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (48.51 KDa) .



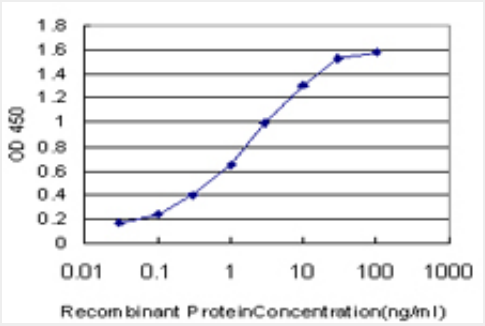
Western Blot analysis of NFYB expression in transfected 293T cell line by NFYB monoclonal antibody (M01), clone 6H6.

Lane 1: NFYB transfected lysate(22.8 KDa).
Lane 2: Non-transfected lysate.

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Western blot analysis of NFYB over-expressed 293 cell line, cotransfected with NFYB Validated Chimera RNAi ((Cat # AT3041a)



Detection limit for recombinant GST tagged NFYB is approximately 0.1ng/ml as a capture antibody.

NFYB Antibody (monoclonal) (M01) - 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 (monoclonal) (M01) - References

HMGB1 and HMGB2 proteins up-regulate cellular expression of human topoisomerase IIalpha. Stros M, et al. Nucleic Acids Res, 2009 Apr. PMID 19223331.In cultured oligodendrocytes the A/B-type hnRNP CBF-A accompanies MBP mRNA bound to mRNA trafficking sequences. Raju CS, et al. Mol Biol Cell, 2008 Jul. PMID 18480411.CCAAT box is required for the induction of human thrombospondin-1 gene by trichostatin A. Kang JH, et al. J Cell Biochem, 2008 Jul 1. PMID 18275041.Gain of function of mutant p53: the mutant p53/NF-Y protein complex reveals an aberrant transcriptional mechanism of cell cycle regulation. Di Agostino S, et al. Cancer Cell, 2006 Sep. PMID 16959611.Diversification of transcriptional modulation: large-scale identification and characterization of putative alternative promoters of human genes. Kimura K, et al. Genome Res, 2006 Jan. PMID 16344560.