

NFYC Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant NFYC.

Catalog # AT3043a

Product Information

Application	WB, IHC, IF, E
Primary Accession	Q13952
Other Accession	BC005003
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG3 Kappa
Clone Names	1D3
Calculated MW	50302

Additional Information

Gene ID	4802
Other Names	Nuclear transcription factor Y subunit gamma, CAAT box DNA-binding protein subunit C, Nuclear transcription factor Y subunit C, NF-YC, Transactivator HSM-1/2, NFYC
Target/Specificity	NFYC (AAH05003, 14 a.a. ~ 113 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IHC~~1:100~500 IF~~1:50~200 E~~N/A
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	NFYC Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

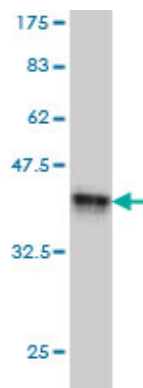
Background

This gene encodes one subunit of a trimeric complex forming a highly conserved transcription factor that binds with high specificity to CCAAT motifs in the promoters of a variety of genes. The encoded protein, subunit C, forms a tight dimer with the B 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. Multiple transcript variants encoding different isoforms have been found for this gene.

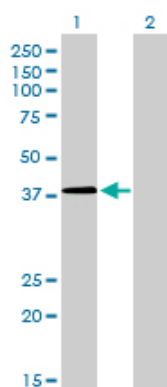
References

Replication of previous genome-wide association studies of bone mineral density in premenopausal American women. Ichikawa S, et al. J Bone Miner Res, 2010 Aug. PMID 20200978.NF-YC functions as a corepressor of agonist-bound mineralocorticoid receptor. Murai-Takeda A, et al. J Biol Chem, 2010 Mar 12. PMID 20054001.NF-YC complexity is generated by dual promoters and alternative splicing. Ceribelli M, et al. J Biol Chem, 2009 Dec 4. PMID 19690168.Expression levels of NF-Y target genes changed by CDKN1B correlate with clinical prognosis in multiple cancers. Yamanaka K, et al. Genomics, 2009 Oct. PMID 19559782.Single nucleotide polymorphisms of microRNA machinery genes modify the risk of renal cell carcinoma. Horikawa Y, et al. Clin Cancer Res, 2008 Dec 1. PMID 19047128.

Images

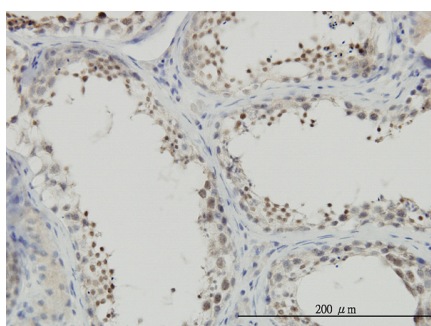


Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.63 KDa) .

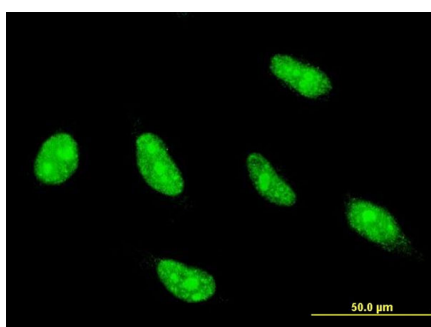


Western Blot analysis of NFYC expression in transfected 293T cell line by NFYC monoclonal antibody (M01), clone 1D3.

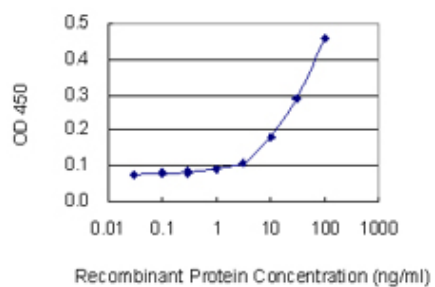
Lane 1: NFYC transfected lysate(37.2 KDa).
Lane 2: Non-transfected lysate.



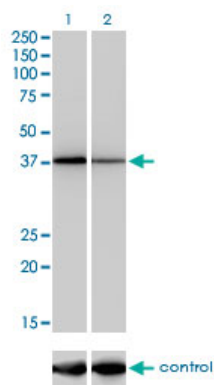
Immunoperoxidase of monoclonal antibody to NFYC on formalin-fixed paraffin-embedded human testis. [antibody concentration 3 ug/ml]



Immunofluorescence of monoclonal antibody to NFYC on HeLa cell . [antibody concentration 10 ug/ml]



Detection limit for recombinant GST tagged NFYC is 3 ng/ml as a capture antibody.



Western blot analysis of NFYC over-expressed 293 cell line, cotransfected with NFYC Validated Chimera RNAi (Cat # AT3043a)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.