

**NFYC Antibody (monoclonal) (M01)**  
**Mouse monoclonal antibody raised against a partial recombinant NFYC.**  
**Catalog # AT3043a**

**Specification**

**NFYC Antibody (monoclonal) (M01) - Product Information**

Application	IF, WB, IHC, E
Primary Accession	<a href="#">Q13952</a>
Other Accession	<a href="#">BC005003</a>
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG3 Kappa
Calculated MW	50302

**NFYC Antibody (monoclonal) (M01) - 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

**Format**

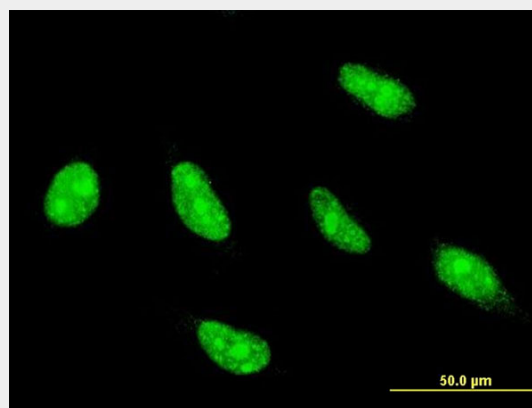
Clear, colorless solution in phosphate buffered saline, pH 7.2 .

**Storage**

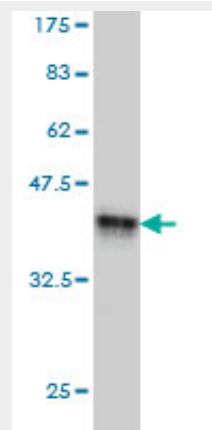
Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

**Precautions**

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



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

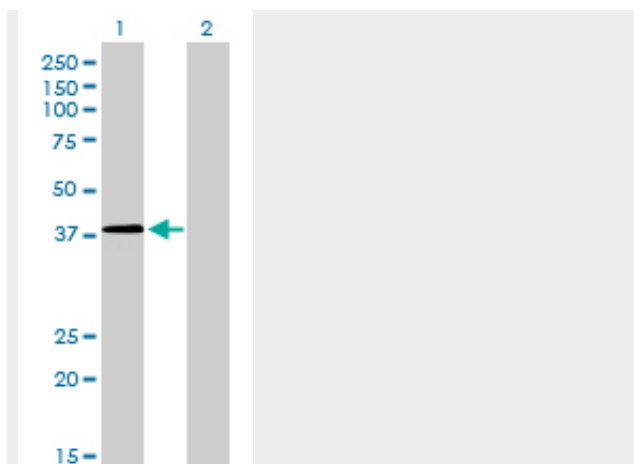


Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.63 KDa) .

## NFYC Antibody (monoclonal) (M01) - Protocols

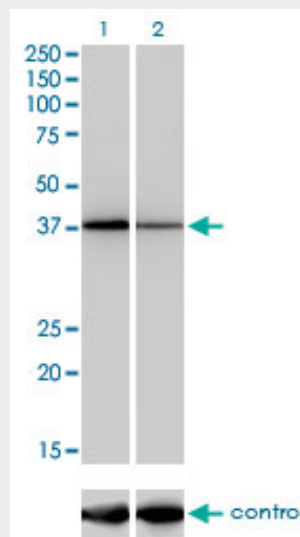
Provided below are standard protocols that you may find useful for product applications.

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

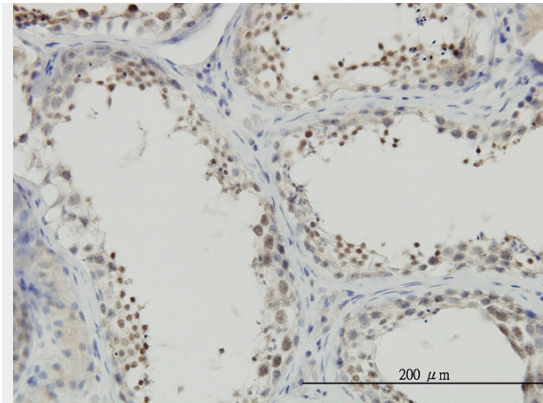


Western Blot analysis of NFYC expression in transfected 293T cell line by NFYC monoclonal antibody (M01), clone 1D3.

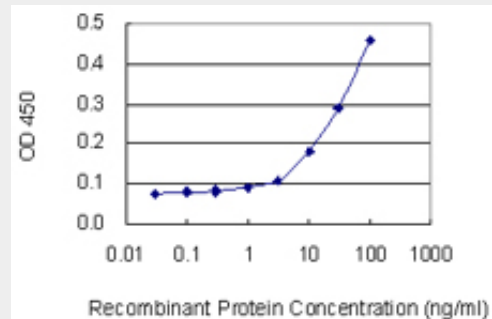
Lane 1: NFYC transfected lysate(37.2 KDa).  
Lane 2: Non-transfected lysate.



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



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



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

### **NFYC Antibody (monoclonal) (M01) - 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.

### **NFYC Antibody (monoclonal) (M01) - 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.