

NFATC3 Antibody (monoclonal) (M02)**Mouse monoclonal antibody raised against a partial recombinant NFATC3.****Catalog # AT3028a****Specification**

NFATC3 Antibody (monoclonal) (M02) - Product Information

Application	IHC, IF, E
Primary Accession	Q12968
Other Accession	NM_173165
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2b Kappa
Calculated MW	115594

NFATC3 Antibody (monoclonal) (M02) - Additional Information**Gene ID** 4775**Other Names**

Nuclear factor of activated T-cells, cytoplasmic 3, NF-ATc3, NFATc3, NFATx, T-cell transcription factor NFAT4, NF-AT4, NFATC3, NFAT4

Target/Specificity

NFATC3 (NP_775188, 70 a.a. ~ 149 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution

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

NFATC3 Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

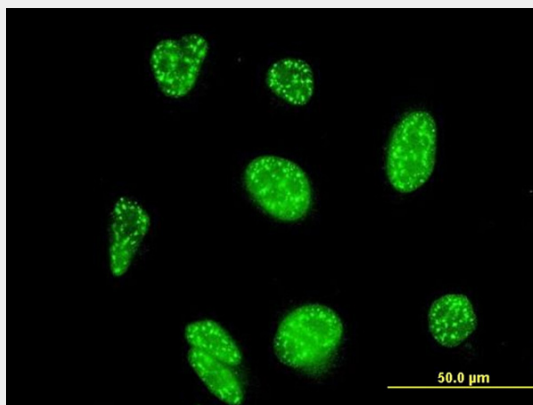
NFATC3 Antibody (monoclonal) (M02) - Protocols

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

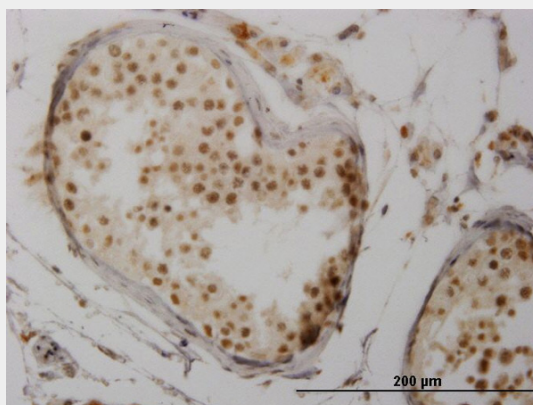
- [Western Blot](#)

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

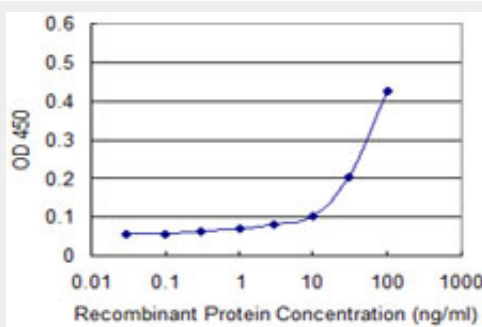
NFATC3 Antibody (monoclonal) (M02) - Images



Immunofluorescence of monoclonal antibody to NFATC3 on HeLa cell . [antibody concentration 10 ug/ml]



Immunoperoxidase of monoclonal antibody to NFATC3 on formalin-fixed paraffin-embedded human testis. [antibody concentration 1.5 ug/ml]



Detection limit for recombinant GST tagged NFATC3 is approximately 10ng/ml as a capture antibody.

NFATC3 Antibody (monoclonal) (M02) - Background

The product of this gene is a member of the nuclear factors of activated T cells DNA-binding transcription complex. This complex consists of at least two components: a preexisting cytosolic component that translocates to the nucleus upon T cell receptor (TCR) stimulation and an inducible nuclear component. Other members of this family participate to form this complex also. The product of this gene plays a role in the regulation of gene expression in T cells and immature thymocytes. Four transcript variants encoding distinct isoforms have been identified for this gene.

NFATC3 Antibody (monoclonal) (M02) - References

Variation at the NFATC2 Locus Increases the Risk of Thiazolinedione-Induced Edema in the Diabetes REduction Assessment with ramipril and rosiglitazone Medication (DREAM) Study. Bailey SD, et al. Diabetes Care, 2010 Jul 13. PMID 20628086. New genetic associations detected in a host response study to hepatitis B vaccine. Davila S, et al. Genes Immun, 2010 Apr. PMID 20237496. Gene-centric association signals for lipids and apolipoproteins identified via the HumanCVD BeadChip. Talmud PJ, et al. Am J Hum Genet, 2009 Nov. PMID 19913121. CHP2 activates the calcineurin/nuclear factor of activated T cells signaling pathway and enhances the oncogenic potential of HEK293 cells. Li GD, et al. J Biol Chem, 2008 Nov 21. PMID 18815128. Cooperative synergy between NFAT and MyoD regulates myogenin expression and myogenesis. Armand AS, et al. J Biol Chem, 2008 Oct 24. PMID 18676376.