

## ARG42939 anti-NFATc3 antibody

Package: 100 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes NFATc3
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	NFATc3
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 1-290 of Human NFATc3 (NP_775188.1).
Conjugation	Un-conjugated
Alternate Names	NFAT4; NFATc3; NFATx; NFATX; NF-ATc3; Nuclear factor of activated T-cells, cytoplasmic 3; T-cell transcription factor NFAT4; NF-AT4

### Application Instructions

Application table	Application	Dilution
	ICC/IF	1:50 - 1:200
	IHC-P	1:50 - 1:200
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Mouse thymus	
Observed Size	~ 140 kDa	

### Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

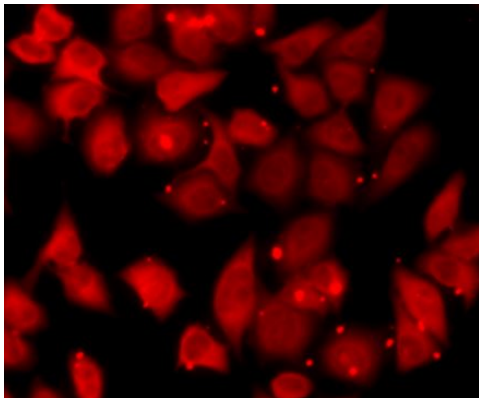
Note For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

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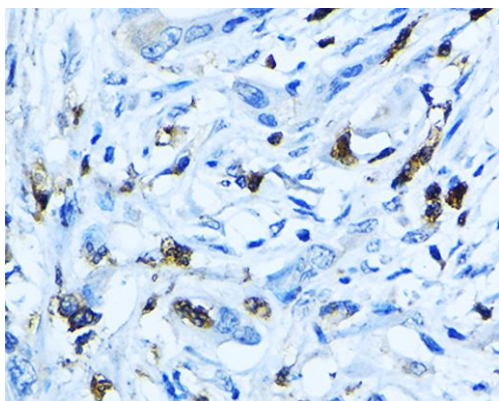
Gene Symbol	NFATC3
Gene Full Name	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 3
Background	The product of this gene is a member of the nuclear factors of activated T cells DNA-binding transcription complex. This complex consists of at least two components: a preexisting cytosolic 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. Several transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq, Nov 2010]
Function	Acts as a regulator of transcriptional activation. Plays a role in the inducible expression of cytokine genes in T-cells, especially in the induction of the IL-2 (PubMed:18815128). Along with NFATC4, involved in embryonic heart development (By similarity). [UniProt]
Calculated Mw	116 kDa
PTM	Phosphorylated by NFATC-kinase; dephosphorylated by calcineurin. [UniProt]
Cellular Localization	Cytoplasm. Nucleus. Note=Cytoplasmic for the phosphorylated form and nuclear after activation that is controlled by calcineurin-mediated dephosphorylation. Rapid nuclear exit of NFATC is thought to be one mechanism by which cells distinguish between sustained and transient calcium signals. The subcellular localization of NFATC plays a key role in the regulation of gene transcription. [UniProt]

## Images



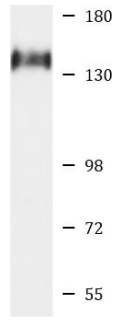
ARG42939 anti-NFATc3 antibody ICC/IF image

Immunofluorescence: HeLa cells stained with ARG42939 anti-NFATc3 antibody.



ARG42939 anti-NFATc3 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human colon carcinoma tissue stained with ARG42939 anti-NFATc3 antibody at 1:200 dilution.



Mouse thymus

ARG42939 anti-NFATc3 antibody WB image

Western blot: 25 µg of Mouse thymus lysate stained with ARG42939 anti-NFATc3 antibody at 1:500 dilution.