

## ARG44879 anti-NFAT5 antibody

Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Mouse Monoclonal antibody recognizes NFAT5
Tested Reactivity	Hu
Tested Application	IHC-P
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a
Target Name	NFAT5
Species	Human
Epitope	GQYPVKSEGG ELKIVVQPET QHRARYLTEG SRGSVKDRTQ QGFPTVKLEG HNEPVVLQVF VGNDSGRVKP HGFYQACRVG GRNTTPCKEV DIEGTTVIEV GLDPSNNMTL AVDCVGILKL RNADVEARIG IAGSKKKSTR ARLVFRVNIM RKDGSTLTQ TPSSPILCTQ PAGVPEILKK SLHSCSVKGE EEVFLIGKNF LKGTKVIFQE NVSDENSWKS EAEIDMELFH QNHLIVKVPP YHDQHITLPV SVGIYVVTNA GRSHDVQPFT
Conjugation	Un-conjugated
Alternate Names	NFAT5; Nuclear Factor Of Activated T Cells 5; TONEBP; NF-AT5; Nuclear Factor Of Activated T-Cells 5; KIAA0827; NFATL1; OREBP; NFAT2; Nuclear Factor Of Activated T-Cells 5, Tonicity-Responsive; Tonicity-Responsive Enhancer-Binding Protein; T-Cell Transcription Factor NFAT5; TonE-Binding Protein; Tonicity-Responsive Enhancer Binding Protein; Osmotic Response Element-Binding Protein; Glutamine Rich Protein H65; NFAT-Like Protein 1; EC 3.6.3.14; EC 3.6.1; TonEBP

### Application Instructions

Application table	Application	Dilution
	IHC-P	1:100 - 1:200
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### Properties

Form	Liquid
Purification	Protein A purification
Buffer	PBS with 0.09% sodium azide
Preservative	0.09% sodium azide
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 or below. 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.

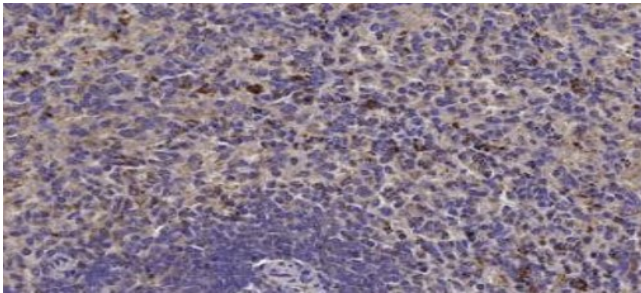
## Bioinformation

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Gene Symbol	NFAT5
Gene Full Name	Nuclear Factor Of Activated T Cells 5
Background	The product of this gene is a member of the nuclear factors of activated T cells family of transcription factors. Proteins belonging to this family play a central role in inducible gene transcription during the immune response. This protein regulates gene expression induced by osmotic stress in mammalian cells. Unlike monomeric members of this protein family, this protein exists as a homodimer and forms stable dimers with DNA elements. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]
Function	Also involved in the DNA damage response by preventing formation of R-loops; R-loops are composed of a DNA:RNA hybrid and the associated non-template single-stranded DNA. [Uniprot]
PTM	Acetylation, ADP-ribosylation, Isopeptide bond, Phosphoprotein, Ubl conjugation. [Uniprot]
Cellular Localization	Chromosome, Cytoplasm, Nucleus. [Uniprot]

## Images

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ARG44879 anti-NFAT5 antibody IHC-P image

Immunohistochemistry: Human spleen stained with ARG44879 anti-NFAT5 antibody at 5 µg/mL dilution.