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anti-NFAT1 antibody (AA 29-181)

2 Images



Publications



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Quantity:	50 μg
Target:	NFAT1
Binding Specificity:	AA 29-181
Reactivity:	Human, Dog
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This NFAT1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP), Immunofluorescence (IF)

Product Details

Immunogen:	Human NFAT-1 aa. 29-181	
Clone:	1-NFAT	
Isotype:	lgG1	
Cross-Reactivity:	Dog (Canine)	
Characteristics:	 Since applications vary, each investigator should titrate the reagent to obtain optimal results. Source of all serum proteins is from USDA inspected abattoirs located in the United States. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing. 	
	4. Please refer to us for technical protocols.	
Purification:	The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity	

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Target	

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Target:	NFAT1	
Alternative Name:	NFAT-1 (NFAT1 Products)	
Background:	T cells are activated and induced to proliferate following binding of their respective antigen. The	
	process of includes expression of genes that encode factors (i.e., cytokines) which regulate	
	various cell types. Modulation of gene expression is conducted by an array of specific	
	interactions between transcription factors and DNA. NFAT-1 (Nuclear Factor of Activated T	
	cells) is a transcription factor that regulates expression of the interleukin-2 gene. Thus, NFAT-1	
	DNA binding activity is undetectable in resting cells, but increases during T-cell activation.	
	NFAT-1, a protein of 921 amino acids, is part of an oligomeric transcription factor that also	
	contains Fra-1 and JunB. NFAT-1 was initially described as a phosphoprotein and is	
	dephosphorylated in activated T cells transformed with the leukemia virus HTLV-I.	
	Synonyms: NF-ATc2, NFATP, KIAA0611	
Molecular Weight:	97-135 kDa	
Pathways:	RTK Signaling, WNT Signaling, Fc-epsilon Receptor Signaling Pathway, VEGF Signaling, BCR	
	Signaling	
Application Details		
Comment:	Related Products: ABIN967389, ABIN968537, ABIN968619	
Restrictions:	For Research Use only	
Handling		
Format:	Liquid	
Concentration:	250 μg/mL	
Buffer:	Aqueous buffered solution containing BSA, glycerol, and ≤0.09 % sodium azide.	
Preservative:	Sodium azide	
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which	
	should be handled by trained staff only.	
Storage:	-20 °C	

Handling

Storage Comment:

Store undiluted at -20°C.

Publications

Product cited in:

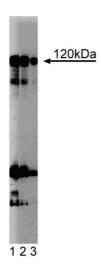
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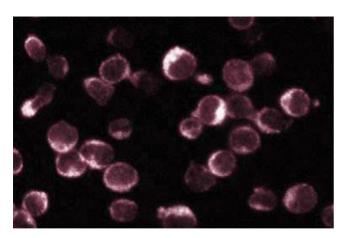
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Western Blotting

Image 1. Western blot analysis of NFAT-1 on a Jurkat cell lysate (Human T-cell leukemia, ATCC TIB-152). Lane 1: 1:2500, lane 2: 1:5000, lane 3: 1:10,000 dilution of the mouse anti- NFAT-1 antibody. NFAT-1 may be identified migrating between 97-135 kDa.



Immunofluorescence

Image 2. Immunofluorescence staining of Jurkat cells (Human T-cell leukemia, ATCC TIB-152).