

For Research Use Only

NFATC3 Monoclonal antibody

Catalog Number: 66924-1-Ig



Basic Information

Catalog Number: 66924-1-Ig	GenBank Accession Number: BC001050	Purification Method: Protein A purification
Size: 150ul , Concentration: 1400 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 4775	CloneNo.: 1C1H8
Source: Mouse	UNIPROT ID: Q12968	Recommended Dilutions: WB 1:1000-1:6000
Isotype: IgG1	Full Name: nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 3	Affinity: $K_D = 1.16 \times 10^{-10}M$ $K_{Off} = 5.67 \times 10^{-6}M$
Immunogen Catalog Number: AG27306	Calculated MW: 116 kDa	$K_{On} = 4.90 \times 10^4M$
	Observed MW: 160 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : Jurkat cells, K-562 cells, Daudi cells
Species Specificity: Human	

Background Information

NFAT (nuclear factors of activated T cells) proteins are a family of transcription factors originally identified as mediators of activation of cytokine genes in response to antigenic stimulation of T cells. NFAT proteins also play varied roles in cells outside of the immune system [PMID:11877454]. NFATc3 has specifically been implicated in vasculature development, regulation of smooth muscle contractile phenotype, and modulation of vascular smooth muscle contractility [PMID:11439183,17148444]. The calculated molecular weight of NFATC3 is 115 kDa, but the post-modified protein is about 130-170 kDa (PMID: 15728531, PMID: 15857835)

Storage

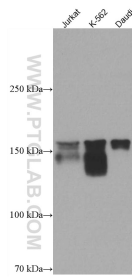
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 66924-1-Ig (NFATC3 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.