

For Research Use Only

NFATC3 Polyclonal antibody

Catalog Number: 18222-1-AP

Featured Product

27 Publications



Basic Information

Catalog Number: 18222-1-AP	GenBank Accession Number: BC001050	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 700 µg/ml by Nanodrop and 340 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 4775	Recommended Dilutions: WB 1:2000-1:12000 IP 0.5-4.0 ug for IP and 1:500-1:2000 for WB
Source: Rabbit	Full Name: nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 3	IHC: 1:20-1:200
Isotype: IgG	Calculated MW: 116 kDa	
Immunogen Catalog Number: AG12985	Observed MW: 130-170 kDa	

Applications

Tested Applications: IHC, IP, WB, ELISA	Positive Controls: WB : Jurkat cells, K-562 cells
Cited Applications: ChIP, IF, IHC, IP, WB	IP : K-562 cells,
Species Specificity: human	IHC : human ovary tissue, human testis tissue
Cited Species: human, rat, mouse	

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

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)

Notable Publications

Author	Pubmed ID	Journal	Application
Joshua R Sheak	32997513	Am J Physiol Lung Cell Mol Physiol	WB,IF
Qian Wang	33015191	J Diabetes Res	IF
Feng Zhu	36115111	Biomed Pharmacother	WB

Storage

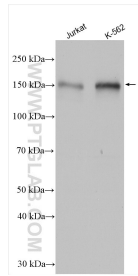
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

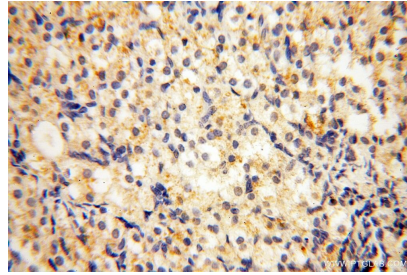
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

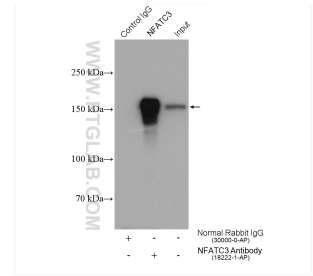
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 18222-1-AP (NFATC3 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human ovary using 18222-1-AP (NFATC3 antibody) at dilution of 1:100 (under 40x lens).



IP result of anti-NFATC3(IP:18222-1-AP, 4ug; Detection:18222-1-AP 1:1000) with K-562 cells lysate 1760 ug.