NFATC3 Polyclonal antibody
Catalog Number: 18222-1-AP

Basic Information

Catalog Number: 18222-1-AP
Size: 150μL, Concentration: 340 μg/ml by Bradford method using BSA as the standard;
Source: Rabbit
Isotype: IgG
Immunogen Catalog Number: AG12985
GenBank Accession Number: BC001050
GenelD (NCBI): 4775
Full Name: nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 3
Calculated MW: 116 kDa
Observed MW: 130-170 kDa
Purification Method: Antigen affinity purification
Recommended Dilutions: WB 1:200-1:1000, IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB, IHC 1:20-1:200

Applications

Tested Applications: IHC, IP, WB, ELISA
Cited Applications: chIP, IF, IHC, WB
Species Specificity: human, mouse
Cited Species: human, mouse, rat

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

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<th>Author</th>
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<tr>
<td>Joshua R Sheak</td>
<td>32997513</td>
<td>Am J Physiol Lung Cell Mol Physiol</td>
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<td>Qian Wang</td>
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<td>Hua Bai</td>
<td>30326911</td>
<td>Cell Commun Signal</td>
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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

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

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mouse thymus tissue were subjected to SDS PAGE followed by western blot with 18222-1-AP (NFATC3 Antibody) at dilution of 1:300 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).