

For Research Use Only

# NFATC1 Monoclonal antibody, PBS Only



Catalog Number: 66963-1-PBS

Featured Product

## Basic Information

Catalog Number:

66963-1-PBS

Size:

1mg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG13014

GenBank Accession Number:

BC104753

GeneID (NCBI):

4772

UNIPROT ID:

O95644

Full Name:

nuclear factor of activated T-cells,  
cytoplasmic, calcineurin-dependent 1

Calculated MW:

716aa, 78 kDa; 943aa, 101 kDa

Observed MW:

101 kDa

Purification Method:

Protein A purification

CloneNo.:

1E1B10

## Applications

Tested Applications:

WB, IHC, Indirect ELISA

Species Specificity:

Human

## Background Information

NFATc1(nuclear factor-activated T cells c1) is one of the transcription factors family consisting 5 members which were considered as a regulator of T-cell activation. In immune cell, NFATc1 is located in the cytoplasm in a hyperphosphorylated state and translocates into the nucleus upon cell stimulation via dephosphorylation(PMID:28327458). One paper observed that ectopic expression and nuclear accumulation of NFATc1 in more than 60% of human pancreatic cancers (PMID:25623042). Several alternative splicing transcript variants encoding different isoforms have been identified for this gene. And different isoforms of this protein may regulate different cytokine gene expression. NFATc1 is a main transcriptional activator for cytokine genes in activated lymphoid cells. Also some studies demonstrated that NFATc1 plays the role of a master transcription regulator of osteoclast differentiation (PMID:25489571).

## Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

For technical support and original validation data for this product please contact:

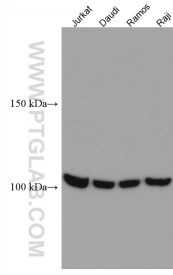
T: 4006900926

E: Proteintech-CN@ptglab.com

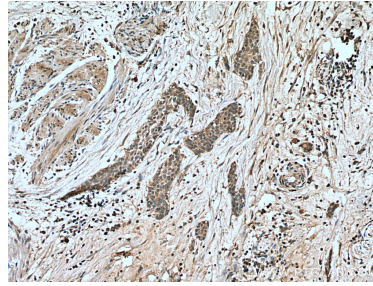
W: ptgcn.com

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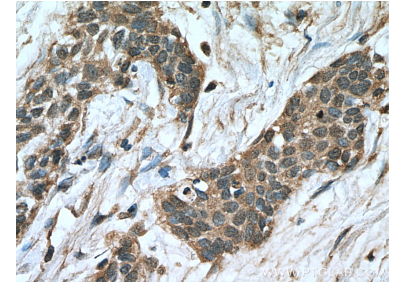
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 66963-1-Ig (NFATC1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66963-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human urothelial carcinoma tissue slide using 66963-1-Ig (NFATC1 antibody) at dilution of 1:300 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66963-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human urothelial carcinoma tissue slide using 66963-1-Ig (NFATC1 antibody) at dilution of 1:300 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66963-1-PBS in a different storage buffer formulation.