

For Research Use Only

# NFATC4 Polyclonal antibody

Catalog Number: 26311-1-AP



## Basic Information

<b>Catalog Number:</b> 26311-1-AP	<b>GenBank Accession Number:</b> BC053855	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 450 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 4776	<b>Recommended Dilutions:</b> WB 1:5000-1:20000 IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q14934	
<b>Isotype:</b> IgG	<b>Full Name:</b> nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 4	
<b>Immunogen Catalog Number:</b> AG24503	<b>Calculated MW:</b> 95 kDa	
	<b>Observed MW:</b> 90-105 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human	<b>WB :</b> HeLa cells, Jurkat cells, MCF-7 cells
<b>Note-IHC:</b> suggested antigen retrieval with <b>TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	<b>IHC :</b> human lung cancer tissue,

## Background Information

NFATC4, also named NFAT3, is a member from the Nuclear Factor of Activated T cells (NFATs) transcription factor family. NFATc4 contains a conserved Rel homology domain (RHD) which includes the DNA-binding motif, and two transactivation domains (TADs) which locate at the N-terminus and C-terminus respectively. NFATC4 is involved in several physiological processes, including the development and function of the immune, cardiovascular, musculoskeletal, and nervous systems. It is also reported that NFATC4 could take part in cell growth, cell migration, tumor metastasis, and patient survival recently.

## Storage

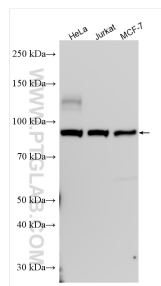
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 20ul sizes contain 0.1% BSA

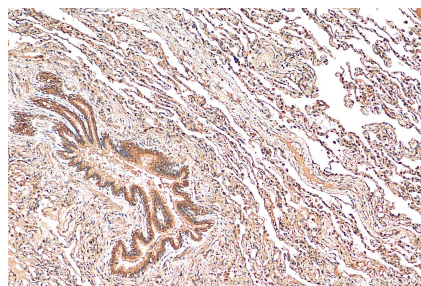
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
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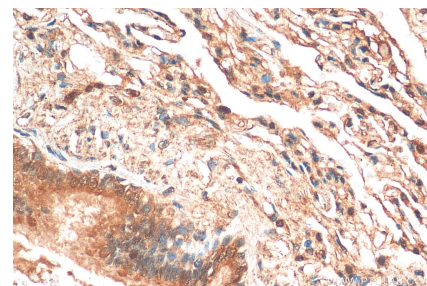
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 26311-1-AP (NFATC4 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 26311-1-AP (NFATC4 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 26311-1-AP (NFATC4 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).