

For Research Use Only

# TNF-alpha Polyclonal antibody, PBS Only

Catalog Number: 26405-1-PBS



## Basic Information

<b>Catalog Number:</b> 26405-1-PBS	<b>GenBank Accession Number:</b> BC028148	<b>Purification Method:</b> Antigen affinity purification
<b>Concentration:</b> 1 mg/ml	<b>GeneID (NCBI):</b> 7124	
<b>Source:</b> Rabbit	<b>ENSEMBL Gene ID:</b> ENSG00000232810	
<b>Isotype:</b> IgG	<b>UNIPROT ID:</b> P01375	
<b>Immunogen Catalog Number:</b> AG24020	<b>Full Name:</b> tumor necrosis factor (TNF superfamily, member 2)	
	<b>Calculated MW:</b> 233 aa, 26 kDa	
	<b>Observed MW:</b> 26 kDa	

## Applications

**Tested Applications:**  
WB, IHC, IF/ICC, ELISA

**Species Specificity:**  
human

## Background Information

TNF, as also known as TNF-alpha, or cachectin, is a multifunctional proinflammatory cytokine that belongs to the tumor necrosis factor (TNF) superfamily. It is expressed as a 26 kDa membrane bound protein and is then cleaved by TNF-alpha converting enzyme (TACE) to release the soluble 17 kDa monomer, which forms homotrimers in circulation. It is produced chiefly by activated macrophages, although it can be produced by many other cell types such as CD4+ lymphocytes, NK cells, neutrophils, mast cells, eosinophils, and neurons. It can bind to, and thus functions through its receptors TNFRSF1A/TNFR1 and TNFRSF1B/TNFR. This cytokine is involved in the regulation of a wide spectrum of biological processes including cell proliferation, differentiation, apoptosis, lipid metabolism, and coagulation. This cytokine has been implicated in a variety of diseases, including autoimmune diseases, ins resistance, and cancer.

## 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, pH7.3

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

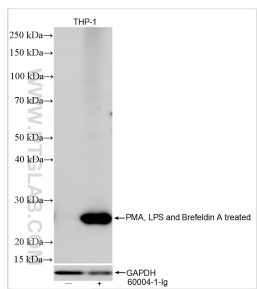
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

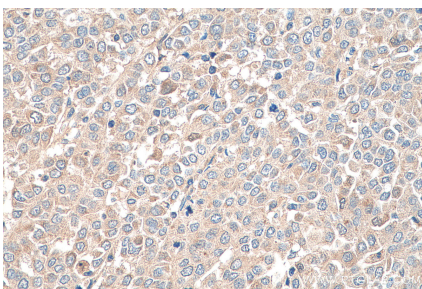
W: [ptgcn.com](http://ptgcn.com)

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

## Selected Validation Data



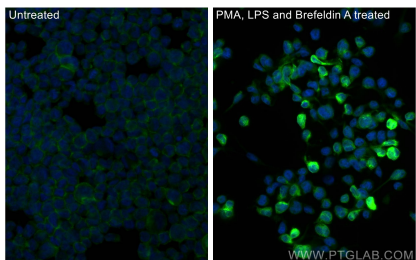
PMA, LPS, and Brefeldin A treated THP-1 cells were subjected to SDS PAGE followed by western blot with 26405-1-AP (TNF Alpha antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with GAPDH Monoclonal antibody 60004-1-Ig as loading control. This data was developed using the same antibody clone with 26405-1-PBS in a different storage buffer formulation.



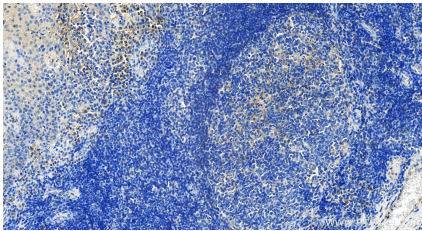
Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 26405-1-AP (TNF Alpha antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 26405-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 26405-1-AP (TNF Alpha antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 26405-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed PMA, LPS and Brefeldin A treated THP-1 cells using TNF-alpha antibody (26405-1-AP) at dilution of 1:200 and CoraLite@488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 26405-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 26405-1-AP (TNF Alpha antibody) at dilution of 1:1000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 26405-1-PBS in a different storage buffer formulation.