

For Research Use Only

# TNF-alpha Polyclonal antibody

Catalog Number: 29652-1-AP

2 Publications



## Basic Information

Catalog Number:

29652-1-AP

Concentration:

230 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG31037

GenBank Accession Number:

BC107671

GeneID (NCBI):

24835

UNIPROT ID:

P16599

Full Name:

tumor necrosis factor (TNF  
superfamily, member 2)

Observed MW:

26 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:500-1:2000

## Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB, IF

Species Specificity:

rat, mouse

Cited Species:

rat

Positive Controls:

WB: RAW 264.7 cells,

## 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.

## Notable Publications

Author	Pubmed ID	Journal	Application
Jialiang Wang	40057066	Int J Biol Macromol	WB, IF
Xinxin Yang	39163761	Clin Nutr	WB

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

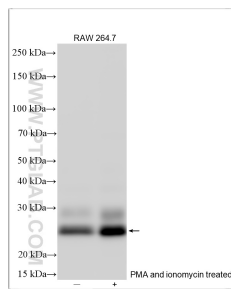
T: 4006900926

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

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

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## Selected Validation Data



PMA and ionomycin treated RAW 264.7 cells were subjected to SDS PAGE followed by western blot with 29652-1-AP (TNF-alpha antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.