

For Research Use Only

TNF-alpha Polyclonal antibody

Catalog Number: 29652-1-AP **1 Publications**



Basic Information

Catalog Number: 29652-1-AP	GenBank Accession Number: BC107671	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 230 ug/ml by Nanodrop;	GeneID (NCBI): 24835	Recommended Dilutions: WB 1:500-1:2000
Source: Rabbit	UNIPROT ID: P16599	
Isotype: IgG	Full Name: tumor necrosis factor (TNF superfamily, member 2)	
Immunogen Catalog Number: AG31037	Observed MW: 26 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : RAW 264.7 cells,
Cited Applications: WB	
Species Specificity: rat, mouse	
Cited Species: rat	

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
Xinxin Yang	39163761	Clin Nutr	WB

Storage

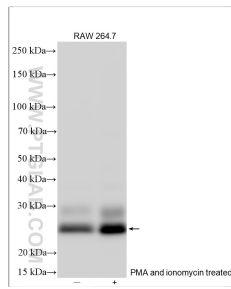
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

***** 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)
E: proteintech@ptglab.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.