

## TNF alpha Antibody

Catalog No: #48136



Package Size: #48136-1 50ul #48136-2 100ul

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

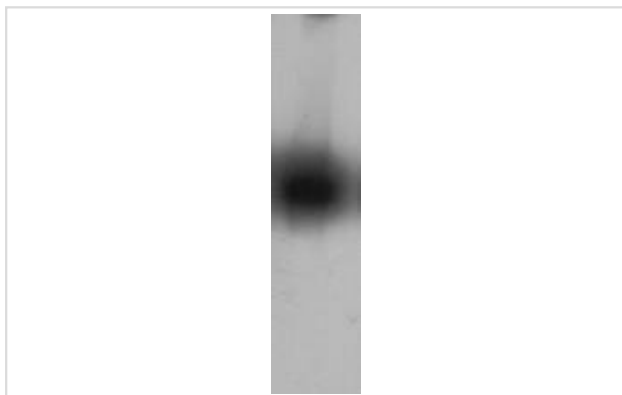
## Description

Product Name	TNF alpha Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Immunogen affinity purified
Applications	WB
Species Reactivity	Ms
Immunogen Description	peptide
Other Names	APC1 antibody APC1 protein antibody Cachectin antibody DIF antibody Differentiation inducing factor antibody Macrophage cytotoxic factor antibody Tnf antibody TNF superfamily, member 2 antibody TNF, macrophage derived antibody TNF, monocyte derived antibody TNF-a antibody TNF-alpha antibody TNFA antibody TNFA_HUMAN antibody TNFSF2 antibody Tumor necrosis factor alpha antibody Tumor necrosis factor antibody Tumor necrosis factor ligand superfamily member 2 antibody Tumor Necrosis Factor, Membrane Form antibody Tumor necrosis factor, soluble form antibody
Accession No.	Swiss-Prot#:P06804
Calculated MW	17 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

## Application Details

WB: 1:500-1:1000

## Images



Western Blot analysis of recombinant murine TNF-alpha using rabbit TNF alpha antibody.

## Background

TNF- $\alpha$ , the prototypical member of the TNF protein superfamily, is a homotrimeric type-II membrane protein. Membrane bound TNF- $\alpha$  is cleaved by the metalloprotease TACE/ADAM17 to generate a soluble homotrimer. Both membrane and soluble forms of TNF- $\alpha$  are biologically active. TNF- $\alpha$  is

produced by a variety of immune cells including T cells, B cells, NK cells and macrophages. TNF- $\alpha$  plays a key regulatory role in inflammation and host defense against bacterial infection, notably *Mycobacterium tuberculosis*.

## References

1. Aggarwal, B.B. (2003) *Nat Rev Immunol* 3, 745-56. 2. Hehlhans, T. and Pfeffer, K. (2005) *Immunology* 115, 1-20. 3. Lin, P.L. et al. (2007) *J Invest Dermatol Symp Proc* 12, 22-5. 4. Brennan, F.M. and McInnes, I.B. (2008) *J Clin Invest* 118, 3537-45.

## Published Papers

el at., Rutaecarpine ameliorates osteoarthritis by inhibiting PI3K/AKT/NF $\kappa$ B and MAPK signalling transduction through integrin  $\alpha$ V $\beta$ 3 In *Int J Mol Med* On 2023 Oct by Junlai Wan , Mengwei Li et al.. PMID:37654229, , (2023)

[PMID:37654229](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.