

TNF-α Polyclonal Antibody

Catalog No: #38122



Package Size: #38122-1 50ul #38122-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

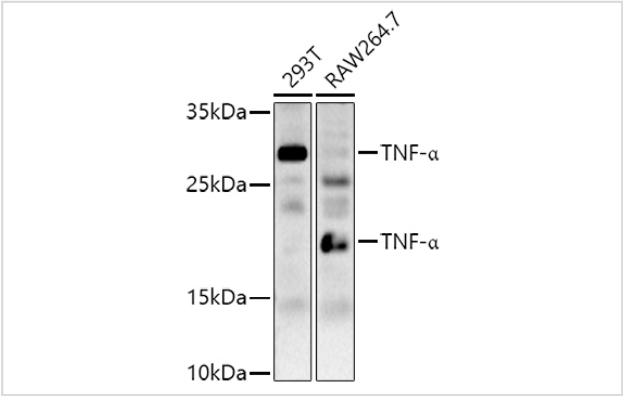
Description

Product Name	TNF-α Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB;IHC;IF;ELISA
Species Reactivity	Human;Mouse;Rat
Specificity	The antibody detects endogenous level of total TNF protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant fusion protein of human TNF (NP_000585.2).
Conjugates	Unconjugated
Target Name	TNF
Other Names	TNF;DIF;TNF-alpha;TNFA;TNFSF2;TNLG1F;TNF alpha
Accession No.	Uniprot:P01375GeneID:7124
Calculated MW	26kDa
SDS-PAGE MW	17kDa/26kDa
Concentration	1.0mg/ml
Formulation	PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

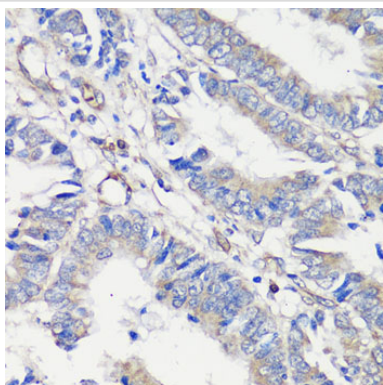
Application Details

WB 1:500 - 1:2000
IHC 1:500 - 1:1000
IF 1:50 - 1:100 ELISA 1:5000-1:20000;

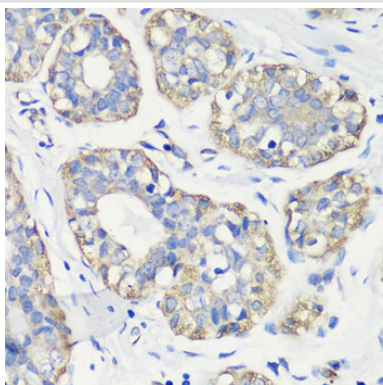
Images



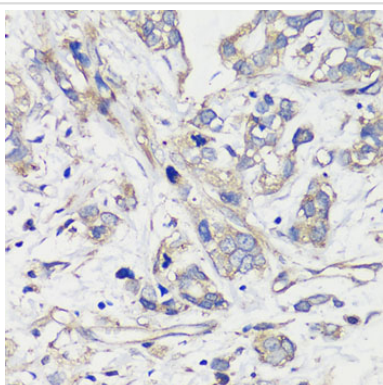
Western blot analysis of extracts of various cell lines, using TNF-α antibody.



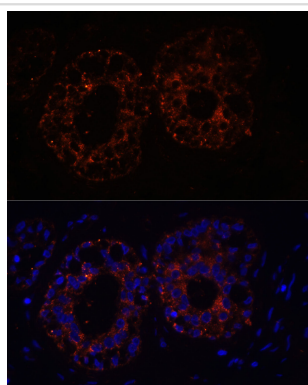
Immunohistochemistry of paraffin-embedded Human colon carcinoma using TNF- α antibody.



Immunohistochemistry of paraffin-embedded Human breast cancer using TNF- α antibody.



Immunohistochemistry of paraffin-embedded Human gastric cancer using TNF- α antibody.



Immunofluorescence analysis of Human mammary cancer cells using TNF- α antibody.

Background

This gene encodes a multifunctional proinflammatory cytokine that belongs to the tumor necrosis factor (TNF) superfamily. This cytokine is mainly secreted by macrophages. 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, insulin resistance, and cancer. Knockout studies in mice also suggested the neuroprotective function of this cytokine.

Published Papers

Zhang Meiyu;Li Decai;Sun Liujuan;He Yu;Liu Qingqing;He Yi;Li Fang et al., Lactobacillus reuteri Alleviates Hyperoxia-Induced BPD by Activating IL-22/STAT3 Signaling Pathway in Neonatal Mice, , (2024)

[PMID:](#)

Wang Ziheng;Lu Zhichao;Chen Yixun;Wang Chenxing;Gong Peipei;Jiang Rui;Liu Qianqian et al., Targeting the AKT-P53/CREB pathway with epicatechin for improved prognosis of traumatic brain injury, , (2023)

[PMID:](#)

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