

TNF- α Rabbit pAb

Catalog No.: A0277**87 Publications**

Basic Information

Observed MW

17 kDa/25 kDa/28 kDa

Calculated MW

26 kDa

Category

Polyclonal Antibodies

Applications

WB, IF/ICC, IF-P, IHC-P, IP, ELISA

Cross Reactivity

Human, Mouse, Rat

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, psoriasis, rheumatoid arthritis ankylosing spondylitis, tuberculosis, autosomal dominant polycystic kidney disease, and cancer. Mutations in this gene affect susceptibility to cerebral malaria, septic shock, and Alzheimer disease. Knockout studies in mice also suggested the neuroprotective function of this cytokine.

Recommended Dilutions

WB 1:500 – 1:5000**IF/ICC** 1:100 – 1:200**IF-P** 1:50 – 1:200**IHC-P** 1:200 – 1:800**IP**0.5 μ g – 4 μ g antibody for 200 μ g – 400 μ g extracts of whole cells**ELISA**

Recommended starting concentration is 1 μ g/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID

7124

Swiss-Prot

P01375

Immunogen

This information is considered to be commercially sensitive.

SynonymsDIF; TNFA; TNFSF2; TNLG1F; TNF-alpha; TNF- α

Contact

 | 400-999-6126 | cn.market@abclonal.com.cn | www.abclonal.com.cn

Product Information

Source

Rabbit

Isotype

IgG

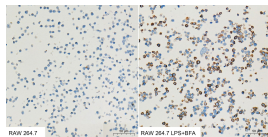
Purity

Affinity purification

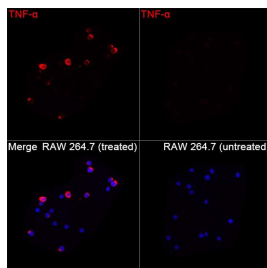
Storage

Store at -20°C

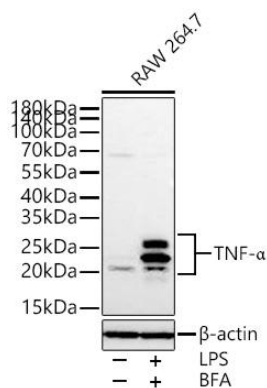
Validation Data



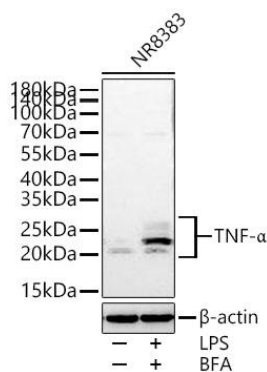
Immunohistochemistry analysis of paraffin-embedded RAW 264.7 cells, untreated (left) and LPS and BFA-treated (right), using TNF- α Rabbit pAbIHC (A0277) at a dilution of 1:300 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



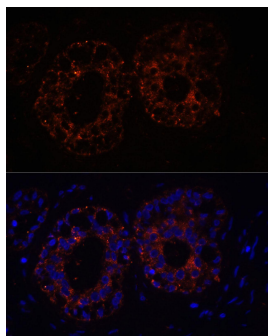
Immunofluorescence analysis of RAW 264.7 cells (treated with LPS and BFA) and RAW 264.7 cells (untreated) using TNF- α Rabbit pAb (A0277) at a dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



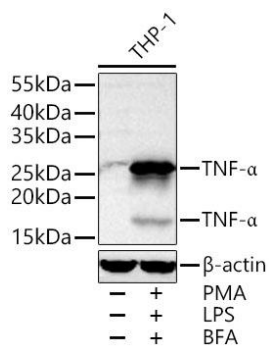
Western blot analysis of lysates from RAW 264.7 cells using TNF- α Rabbit pAb (A0277) at 1:5000 dilution incubated overnight at 4°C. RAW 264.7 cells were treated with LPS (1 μ g/mL) at 37°C for 5 hours and BFA (300 ng/mL) at 37°C for 3 hours. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 30 μ g per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 60 s.



Western blot analysis of lysates from NR8383 cells using TNF- α Rabbit pAb (A0277) at 1:5000 dilution incubated overnight at 4°C. NR8383 cells were treated with LPS (100 ng/mL) at 37°C for 6 hours and BFA (300 ng/mL) at 37°C for 3 hours. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 30 μ g per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 60 s.



Immunofluorescence analysis of paraffin-embedded Human mammary cancer using TNF- α Rabbit pAb (A0277) at dilution of 1:100. Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Western blot analysis of lysates from THP-1 cells using TNF- α Rabbit pAb (A0277) at 1:5000 dilution incubated overnight at 4°C. THP-1 cells were treated with PMA (80 ng/mL) at 37°C for 48 hours, LPS (100 ng/mL) at 37°C for 2 hours and BFA (300 ng/mL) at 37°C for 6 hours.

Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 30 μ g per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 45 s.