

# TNF- $\alpha$ Rabbit pAb

Catalog No.: A0277

73 Publications

## Basic Information

### Observed MW

Refer to figures

### Calculated MW

26 kDa

### Category

Primary antibody

### Applications

WB, IF-P, IHC-P, 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-P 1:50 - 1:200

IHC-P 1:50 - 1:200

ELISA Recommended starting concentration is 1  $\mu$ g/mL. Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

### Gene ID

7124

### Swiss Prot

P01375

### Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

### Synonyms

DIF; TNFA; TNFSF2; TNLG1F; TNF-alpha; TNF- $\alpha$ 

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

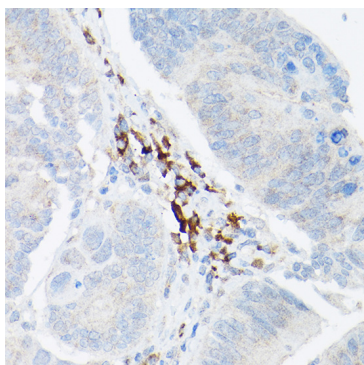
### Storage

Store at -20°C. Avoid freeze / thaw cycles.

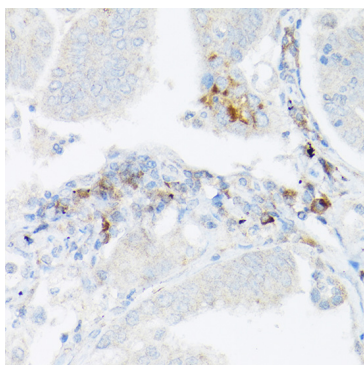
Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

## Validation Data

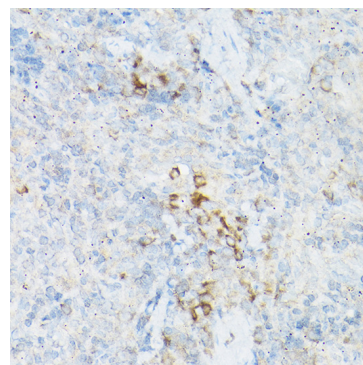
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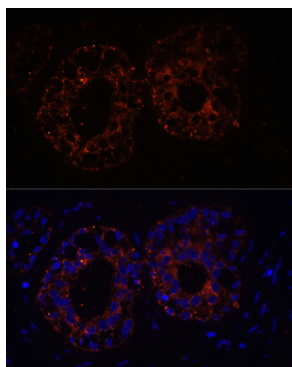
Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma using TNF- $\alpha$  Rabbit pAb (A0277) at dilution of 1:20 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human lung cancer using TNF- $\alpha$  Rabbit pAb (A0277) at dilution of 1:20 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat spleen using TNF- $\alpha$  Rabbit pAb (A0277) at dilution of 1:20 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Immunofluorescence analysis of paraffin-embedded Human mammary cancer using TNF- $\alpha$  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.