

TNF- α Rabbit pAb

Catalog No.: A11534 **159 Publications**

Basic Information

Observed MW

18kDa/25kDa

Calculated MW

26kDa

Category

Primary antibody

Applications

ELISA, WB, IHC-P, IF/ICC

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 - 1:2000
IHC-P	1:500 - 1:1000
IF/ICC	1:50 - 1:100

Immunogen Information

Gene ID

7124

Swiss Prot

P01375

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 134-233 of human TNF- α (NP_000585.2).

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

Contact

 | www.abclonal.com

Product Information

Source

Rabbit

Isotype

IgG

Purification

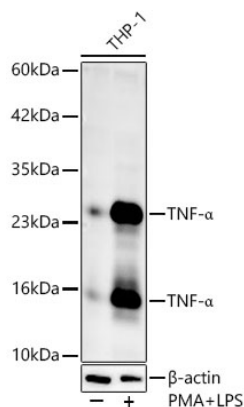
Affinity purification

Storage

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

Buffer: PBS with 0.05% proclin300, 50% glycerol, pH7.3.

Validation Data



Western blot analysis of lysates from THP-1 cells, using TNF- α Rabbit pAb (A11534) at 1:1000 dilution. THP-1 cells were treated by PMA/TPA (80 nM) at 37°C for overnight and LPS (1 μ g/ml) at 37°C for 6 hours.

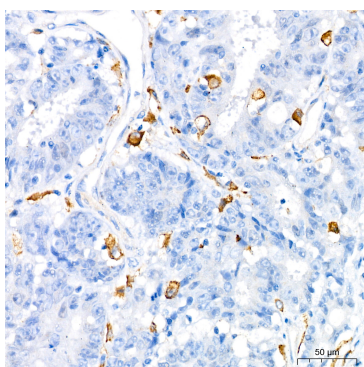
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25ug per lane.

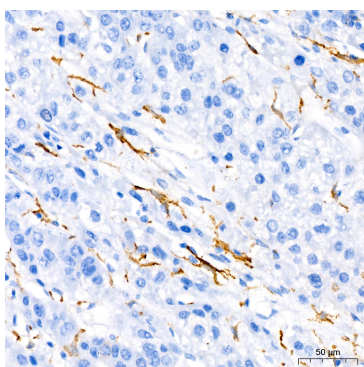
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Enhanced Kit (RM00021).

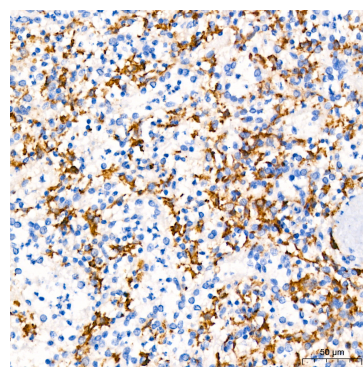
Exposure time: 60s.



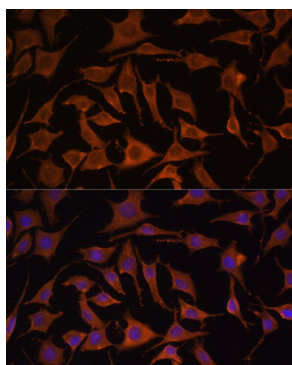
Immunohistochemistry analysis of TNF- α in paraffin-embedded human colon carcinoma using TNF- α Rabbit pAb (A11534) at dilution of 1:1000 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of TNF- α in paraffin-embedded human liver using TNF- α Rabbit pAb (A11534) at dilution of 1:1000 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of TNF- α in paraffin-embedded human spleen using TNF- α Rabbit pAb (A11534) at dilution of 1:1000 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunofluorescence analysis of L929 cells using TNF- α Rabbit pAb (A11534) at dilution of 1:100. Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.