TNF-α Rabbit pAb

Catalog No.: A11534 213 Publications



Basic Information

Observed MW

18kDa/25kDa

Calculated MW

26kDa

Category

Primary antibody

Applications

WB,IHC-P,IF/ICC,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/TNFBR. 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

ELISA Recommended starting

concentration is 1 µg/mL.

Please optimize the
concentration based on
your specific assay
requirements.

Immunogen Information

Gene ID7124

Swiss Prot
P01375

Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Synonyms

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

Contact

| a | | 400-999-6126 |
|-----------|---|---------------------------|
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| • | Ī | www.abclonal.com.cn |

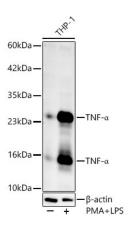
Product Information

SourceIsotypePurificationRabbitIgGAffinity purification

Storage

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

Buffer: PBS with 0.09% Sodium azide,50% glycerol,pH7.3.



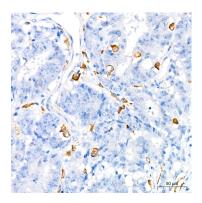
Western blot analysis of lysates from THP-1 cells, using TNF- α Rabbit pAb (A11534) at 1:1000 dilution. THP-1 cells were treated with PMA/TPA (80 nM) at 37°C for overnight and LPS (1 μ g/ml) at 37°C for 6 hours.

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

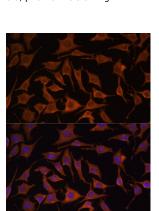
Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021).

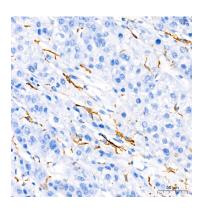
Exposure time: 60s.



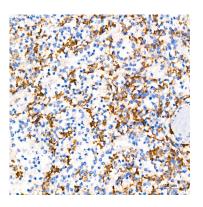
Immunohistochemistry analysis of paraffinembedded Human colon carcinoma using TNF-α Rabbit pAb (A11534) at dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Immunofluorescence analysis of L929 cells using TNF- α Rabbit pAb (A11534) 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.



Immunohistochemistry analysis of paraffinembedded Human liver using TNF- α Rabbit pAb (A11534) at dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffinembedded Human spleen using TNF- α Rabbit pAb (A11534) at dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.