

TNF- α Rabbit pAb

Catalog No.: A0277 **15 Publications**

Basic Information

Catalog No.

A0277

Observed MW

17kDa

Calculated MW

25kDa

Category

Primary antibody

Applications

WB, IHC, IF

Cross-Reactivity

Human, Mouse, Rat

Recommended Dilutions

WB	1:1000 - 1:2000
IHC	1:50 - 1:200
IF	1:50 - 1:200

Contact

 | www.abclonal.com

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/TNFR2. 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.

Immunogen Information

Gene ID	Swiss Prot
7124	P01375

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-233 of human TNF (NP_000585.2).

Synonyms

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

Product Information

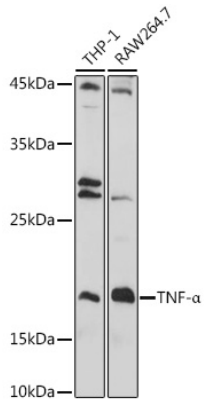
Source	Isotype	Purification
Rabbit	IgG	Affinity purification

Storage

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

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Validation Data



Western blot analysis of extracts of various cell lines, using TNF- α antibody (A0277) at 1:1000 dilution.

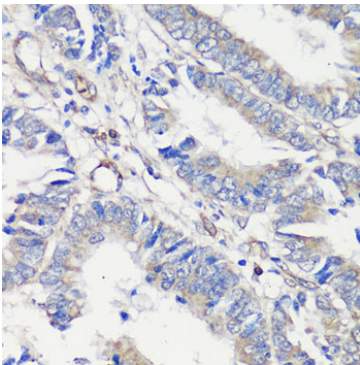
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25ug per lane.

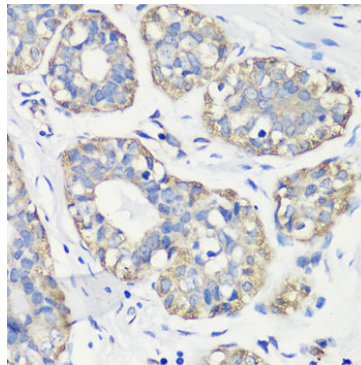
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

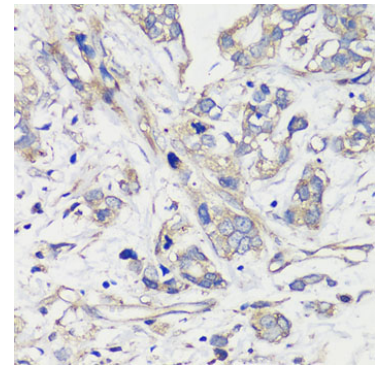
Exposure time: 30s.



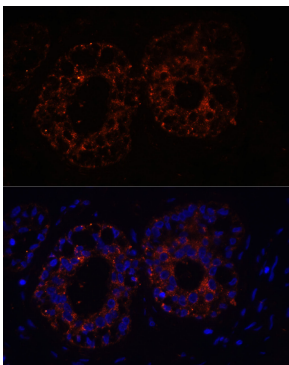
Immunohistochemistry of paraffin-embedded Human colon carcinoma using TNF- α antibody (A0277) at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded Human breast cancer using TNF- α antibody (A0277) at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded Human gastric cancer using TNF- α antibody (A0277) at dilution of 1:100 (40x lens).



Immunofluorescence analysis of Human mammary cancer cells using TNF- α antibody (A0277) at dilution of 1:100. Blue: DAPI for nuclear staining.