

TNF- α Rabbit pAb

Catalog No.	A0277	Category	Polyclonal Antibodies
Applications	WB, IHC, IF	Observed MW	25kDa
Cross-reactivity	Human, Mouse, Rat	Calculated MW	25kDa

Immunogen Information

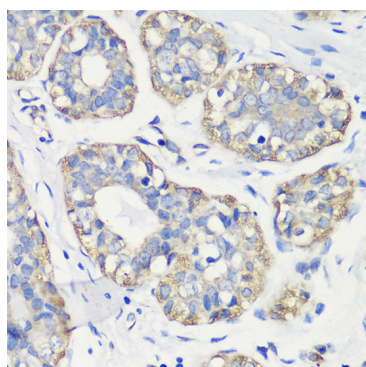
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-233 of human TNF (NP_000585.2).
Gene ID	7124
Swiss prot	P01375
Synonyms	TNF;DIF;TNF-alpha;TNFA;TNFSF2;TNLG1F;TNF alpha

Product information

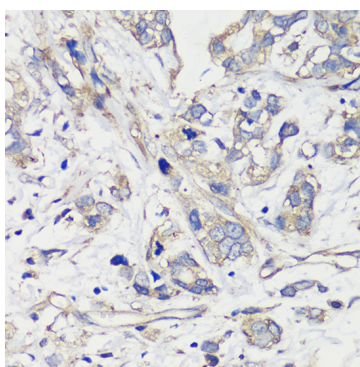
Source	Rabbit
Isotype	IgG
Purification method	Affinity purification
Storage	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

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, and cancer. Knockout studies in mice also suggested the neuroprotective function of this cytokine.



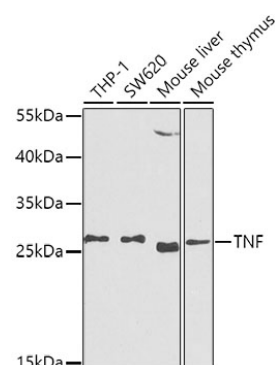
Immunohistochemistry of paraffin-embedded Human breast cancer using TNF- α antibody (A0277) at dilution of 1:100 (40x lens).



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

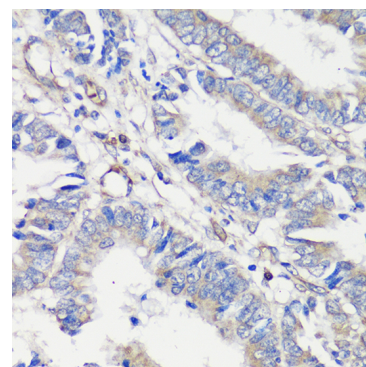
Recommended Dilutions

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



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: 90s.



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