

**Catalogue No.** AB0109-100

**Qty:** 300 µg (3 mg/ml)

## TNF alpha Polyclonal Antibody

**Source:** Goat

**General description:** Goat polyclonal antibody to TNF alpha. TNF- $\alpha$  is produced by a variety of immune cells including NK cells, B cells, T cells and macrophages. It is multifunctional proinflammatory cytokine that belongs to the tumour necrosis factor (TNF) superfamily. It can bind to, and thus functions through its receptors TNFRSF1A/TNFR1 and TNFRSF1B/TNFR. It is involved in the regulation of several processes including lipid metabolism cell differentiation and proliferation, coagulation and apoptosis. It has been implicated in a variety of diseases, including cancer and autoimmune diseases.

**Alternative names:** APC1, cachectin; tumor necrosis factor ligand superfamily member 2,

macrophage-derived TNF, TNF-a, TNF monocyte-derived, tumor necrosis factor-alpha antibody.

**Form:** Polyclonal antibody supplied as a 100 µl (3 mg/ml) aliquot in PBS, 20% glycerol and 0.05% sodium azide. This antibody is epitope-affinity purified from goat antiserum.

**Immunogen:** Purified recombinant human TNF- $\alpha$  produced in *E. coli*.

**Specificity:** Detects a band of approximately 17 kDa using Raw264.7 cell line by Western blot.

**Reactivity:** Reacts against human, rat, mouse, canine and monkey proteins.

Sample	Western blot	Immuno-fluorescence	Histochemistry (paraffin)	Histochemistry (frozen)
human	+++	ND	ND	ND
rat	+++	ND	ND	ND
mouse	+++	ND	ND	ND
canine	+++	ND	ND	ND
monkey	+++	ND	ND	ND

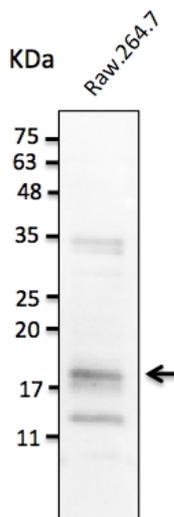
+++ excellent, ++ good, + poor, ND not determined

**Usage:** Western blot 1:500-1:2,000  
 Immunofluorescence ND  
 Immunohistochemistry (paraffin) ND  
 Immunohistochemistry (frozen) ND

**Storage:** Store at -20 C for long-term storage. Store at 2-8 C for up to one month.

**Special instructions:** Avoid freeze/thaw cycles.

**References:**



Anti-TNF- $\alpha$  Ab at 1/2,500 dilution;  
100  $\mu$ g of total protein lysate per  
lane; rabbit polyclonal to goat IgG  
(HRP) at 1/10,000 dilution;

For research use only, not for diagnostic use

**SICGEN's Proprietary Immunogen Policy**

In order to produce high specific antibodies SICGEN has invested a lot of time and effort into selecting immunogen sequences. SICGEN has decided to protect this information by not publishing it on the website. However, these sequences are available on request.