

# TNF $\alpha$ Rabbit pAb

**Catalog No.: A23264**

## Basic Information

### Observed MW

17kDa/26kDa

### Calculated MW

26kDa

### Category

Primary antibody

### Applications

ELISA,WB

### Cross-Reactivity

Human, Mouse, Rat, Other (Wide Range Predicted)

## Background

Enables tumor necrosis factor receptor binding activity. Involved in several processes, including positive regulation of cell communication; positive regulation of macromolecule metabolic process; and positive regulation of neuron death. Located in several cellular components, including external side of plasma membrane; extracellular space; and neuronal cell body. Used to study several diseases, including cerebrovascular disease (multiple); liver disease (multiple); peptic esophagitis; perinatal necrotizing enterocolitis; and periventricular leukomalacia. Biomarker of several diseases, including brain disease (multiple); congestive heart failure (multiple); inflammatory bowel disease (multiple); lung disease (multiple); and non-alcoholic fatty liver disease (multiple). Human ortholog(s) of this gene implicated in several diseases, including artery disease (multiple); autoimmune disease (multiple); eye disease (multiple); lung disease (multiple); and skin disease (multiple). Orthologous to human TNF (tumor necrosis factor).

## Recommended Dilutions

**WB** 1:1000 - 1:5000

## Immunogen Information

### Gene ID

24835

### Swiss Prot

P16599

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 80-235 of rat TNF $\alpha$  (NP\_036807.1).

### Synonyms

Tnfa; RATTNF; TNF-alpha; TNF $\alpha$

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

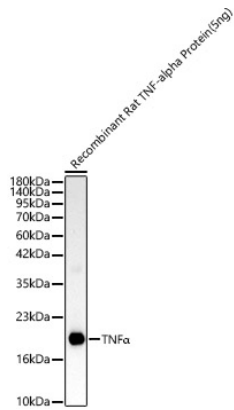
Affinity purification

### Storage

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

Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.

## Validation Data



Western blot analysis of recombinant Rat TNF-alpha Protein, using TNF $\alpha$  Rabbit pAb (A23264) at 1:2000 dilution.

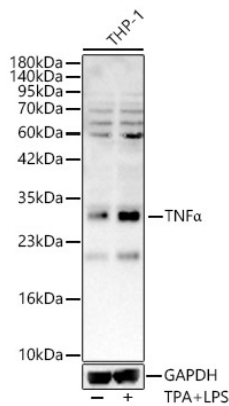
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 5ng per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 1s.



Western blot analysis of lysates from THP-1 cells, using TNF $\alpha$  Rabbit pAb (A23264) at 1:2000 dilution. THP-1 cells were treated by PMA/TPA (200 nM) at 37°C for 15 minutes and LPS (1  $\mu$ g/ml) at 37°C for 6 hours.

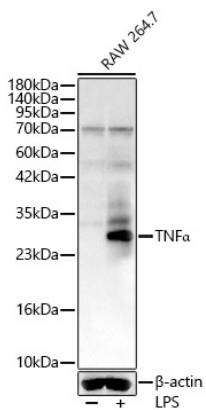
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25ug per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Enhanced Kit (RM00021).

Exposure time: 30s.



Western blot analysis of lysates from RAW 264.7 cells, using TNF $\alpha$  Rabbit pAb (A23264) at 1:2000 dilution. Raw 264.7 cells were treated by LPS (1  $\mu$ g/ml) at 37°C for 8 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: 30s.