A23264

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TNFα Rabbit pAb

Catalog No.: A23264 2 Publications

Basic Information

Observed MW
17kDa/26kDa

Calculated MW
26kDa

Category
Polyclonal Antibody

Applications
WB,ELISA

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
ELISA	Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
24835

Swiss Prot
P16599

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

Synonyms
Tnfa; RATTNF; TNF-alpha; TNFα

Contact

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Product Information

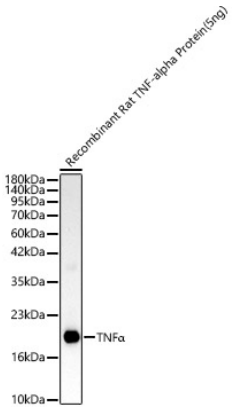
Source
Rabbit

Isotype
IgG

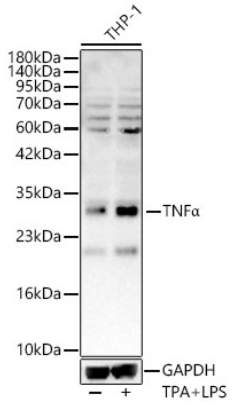
Purification
Affinity purification

Storage
Store at -20℃

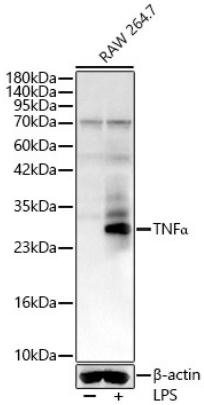
Validation Data



Western blot analysis of Recombinant Rat TNF-alpha Protein (RP01322), using TNFα Rabbit pAb (A23264) at 1:2000 dilution.
Secondary antibody: HRP-conjugated 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 TNFα Rabbit pAb (A23264) at 1:2000 dilution. THP-1 cells were treated with PMA/TPA (200 nM) at 37℃ for 15 minutes and LPS (1 μg/ml) at 37℃ 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: 30s.



Western blot analysis of lysates from RAW 264.7 cells, using TNFα Rabbit pAb (A23264) at 1:2000 dilution. Raw 264. 7 cells were treated with LPS (1 μg/ml) at 37℃ for 8 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: 30s.