Anti-TNF Alpha Rabbit pAb

Purified Rabbit Polyclonal Antibody

Catalog # P105360

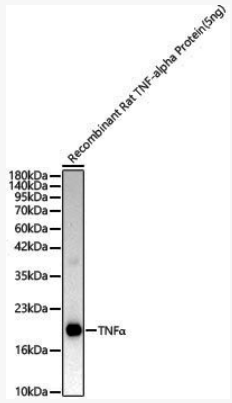
Product Information

Application	WB, ELISA
Reactivity	Human, Mouse, Rat, Other (Wide Range Predicted)
Dilution	WB 1:1000~1:5000
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Label	Unconjugated
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 80-235 of rat TNFα (NP_036807.1).
Format	Affinity purified polyclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-TNF Alpha Rabbit pAb is for research use only and not for use in diagnostic or therapeutic procedures.

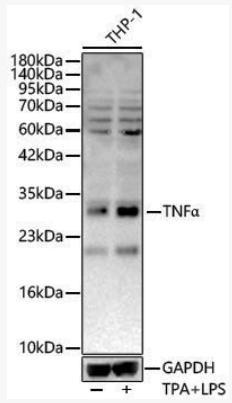
Protein Information

Synonyms	Tnfa; RATTNF; TNF-alpha; TNF alpha.
Calculated MW	Calculated MW: 26 kDa; Observed MW: 17 kDa/26 kDa
Uniprot ID	P16599
Gene ID	24835
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).

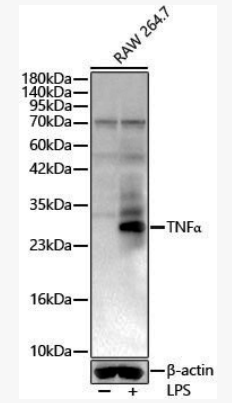
Validation Images



Western blot analysis of Recombinant Rat TNF-alpha Protein, using TNFα Rabbit pAb (P105360) at 1:2,000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.
Lysates/proteins: 5ng per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Kit.
Exposure time: 1s.



Western blot analysis of lysates from THP-1 cells, using TNFα Rabbit pAb (P105360) at 1:2,000 dilution. THP-1 cells were treated by PMA/TPA (200 nM) at 37°C for 15 minutes and LPS (1 μg/ml) at 37°C for 6 hours.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.
Lysates/proteins: 25μg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Enhanced Kit.
Exposure time: 30s.



Western blot analysis of lysates from RAW 264.7 cells, using TNFα Rabbit pAb (P105360) at 1:2,000 dilution. Raw 264. 7 cells were treated by LPS (1 μg/ml) at 37°C for 8 hours.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.
Lysates/proteins: 25μg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Enhanced Kit.
Exposure time: 30s.