

# TNF alpha Polyclonal Antibody

Catalog Number:E-AB-33421

1 Publications



**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

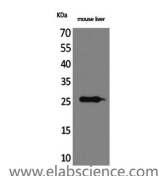
## Description

<b>Reactivity</b>	Human
<b>Immunogen</b>	Synthesized peptide derived from the Internal region of human TNF- $\alpha$ .
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Purification</b>	Affinity purification
<b>Formulation</b>	PBS with 0.02% sodium azide, 0.5% protective protein and 50% glycerol pH 7.4.

## Applications Recommended Dilution

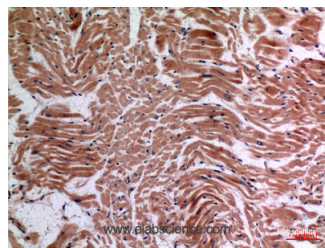
<b>WB</b>	1:500-1:2000
<b>IHC</b>	1:100-300
<b>ELISA</b>	1:20000

## Data

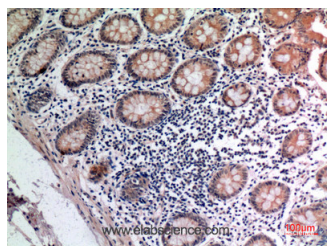


Western Blot analysis of Mouse liver using TNF alpha Polyclonal Antibody at dilution of 1:1000.

**Observed Mw:26kDa**  
**Calculated Mw:26kDa**



Immunohistochemistry of paraffin-embedded Human heart tissue using TNF alpha Polyclonal Antibody at dilution of 1:100.



Immunohistochemistry of paraffin-embedded Human colon tissue using TNF alpha Polyclonal Antibody at dilution of 1:100.

## Preparation & Storage

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

## Background

TNF, as also known as TNF-alpha, or cachectin, is a multifunctional proinflammatory cytokine that belongs to the tumor necrosis factor (TNF) superfamily. It is expressed as a 26 kDa membrane bound protein and is then cleaved by TNF-alpha converting enzyme (TACE) to release the soluble 17 kDa monomer, which forms homotrimers in circulation. It is

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produced chiefly by activated macrophages, although it can be produced by many other cell types such as CD4+ lymphocytes, NK cells, neutrophils, mast cells, eosinophils, and neurons. 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.

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