

## Tumor Necrosis Factor (TNF) Antibody

Catalogue No.: abx117001

TNF Antibody is a Rabbit Polyclonal antibody against TNF. TNF- $\alpha$ , the prototypical member of the TNF protein superfamily, is a homotrimeric type-II membrane protein. Membrane-bound TNF- $\alpha$  is cleaved by the metalloprotease TACE/ADAM17 to generate a soluble homotrimer. Both membrane and soluble forms of TNF- $\alpha$  are biologically active. TNF- $\alpha$  is produced by a variety of immune cells including T cells, B cells, NK cells, and macrophages. Cellular response to TNF- $\alpha$  is mediated through interaction with receptors TNF-R1 and TNF-R2 and results in activation of pathways that favor both cell survival and apoptosis depending on the cell type and biological context. Activation of kinase pathways (including JNK, Erk (p44/42), p38 MAPK, and NF- $\kappa$ B) promotes the survival of cells, while TNF- $\alpha$ -mediated activation of caspase-8 leads to programmed cell death. TNF- $\alpha$  plays a key regulatory role in inflammation and host defense against bacterial infection, notably *Mycobacterium tuberculosis*. The role of TNF- $\alpha$  in autoimmunity is underscored by blocking TNF- $\alpha$  action to treat rheumatoid arthritis and Crohn's disease. This protein is involved in Immunology.

<b>Target:</b>	Tumor Necrosis Factor (TNF)
<b>Clonality:</b>	Polyclonal
<b>Reactivity:</b>	Human, Mouse, Rat
<b>Tested Applications:</b>	ELISA, WB, IHC
<b>Host:</b>	Rabbit
<b>Recommended dilutions:</b>	WB: 1/1000 - 1/2000, IHC: 1/50 - 1/100. Optimal dilutions/concentrations should be determined by the end user.
<b>Conjugation:</b>	Unconjugated
<b>Immunogen:</b>	C term -peptide of human SFPQ.
<b>Isotype:</b>	IgG
<b>Form:</b>	Liquid
<b>Purification:</b>	Purified by affinity chromatography.
<b>Storage:</b>	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
<b>UniProt Primary AC:</b>	P01375 ( <a href="#">UniProt</a> , <a href="#">ExPASy</a> )
<b>Gene Symbol:</b>	TNF
<b>GeneID:</b>	<a href="#">7124</a>

# Datasheet

Version: 2.0.0

Revision date: 21 Sep 2025



**OMIM:** [191160](#)

**HGNC:** 11892

**KEGG:** hsa:7124

**Ensembl:** ENSG00000232810

**String:** [9606.ENSP00000398698](#)

**Buffer:** PBS, pH 7.3, containing 0.02% sodium azide and 50% glycerol.

**Note:** THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

For Reference Only