

Datasheet for ABIN7429994

**anti-TNF alpha antibody (AA 80-235)****3** Images[Go to Product page](#)

## Overview

Quantity:	100 µL
Target:	TNF alpha
Binding Specificity:	AA 80-235
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TNF alpha antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP), Immunocytochemistry (ICC)

## Product Details

Purpose:	Polyclonal Antibody to Tumor Necrosis Factor Alpha (TNFa)
Immunogen:	Recombinant Tumor Necrosis Factor Alpha (TNFa) corresponding to Leu80~Leu235 with N-terminal His Tag
Isotype:	IgG
Specificity:	The antibody is a rabbit polyclonal antibody raised against TNFa. It has been selected for its ability to recognize TNFa in immunohistochemical staining and western blotting.
Cross-Reactivity:	Mouse
Purification:	Antigen-specific affinity chromatography followed by Protein A affinity chromatography

## Target Details

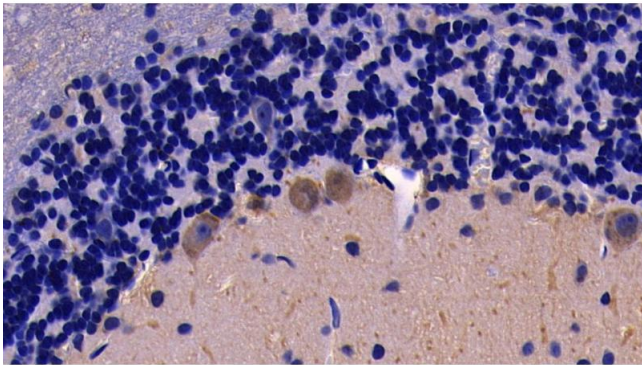
Target:	TNF alpha
Alternative Name:	Tumor Necrosis Factor Alpha ( <a href="#">TNF alpha Products</a> )
Background:	DIF, TNF-A, TNFSF2, Cachectin, Tumor Necrosis Factor Ligand Superfamily Member 2
Pathways:	<a href="#">NF-kappaB Signaling</a> , <a href="#">Apoptosis</a> , <a href="#">Caspase Cascade in Apoptosis</a> , <a href="#">TLR Signaling</a> , <a href="#">Cellular Response to Molecule of Bacterial Origin</a> , <a href="#">Regulation of Leukocyte Mediated Immunity</a> , <a href="#">Positive Regulation of Immune Effector Process</a> , <a href="#">Production of Molecular Mediator of Immune Response</a> , <a href="#">Positive Regulation of Endopeptidase Activity</a> , <a href="#">Hepatitis C</a> , <a href="#">Protein targeting to Nucleus</a> , <a href="#">Inflammasome</a>

## Application Details

Application Notes:	Western blotting: 0.5-2 µg/mL Immunohistochemistry: 5-20 µg/mL Immunocytochemistry: 5-20 µg/mL Optimal working dilutions must be determined by end user.
Comment:	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Restrictions:	For Research Use only

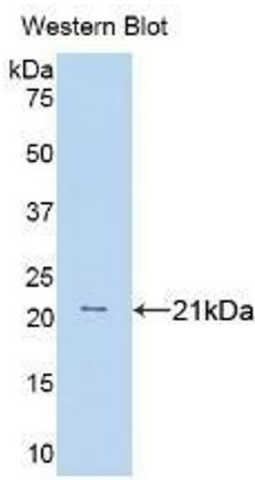
## Handling

Format:	Liquid
Buffer:	PBS, pH 7.4, containing 0.02 % Sodium azide, 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store at 4°C for frequent use. Stored at -20°C in a manual defrost freezer for two year without detectable loss of activity. Avoid repeated freeze-thaw cycles.
Expiry Date:	24 months



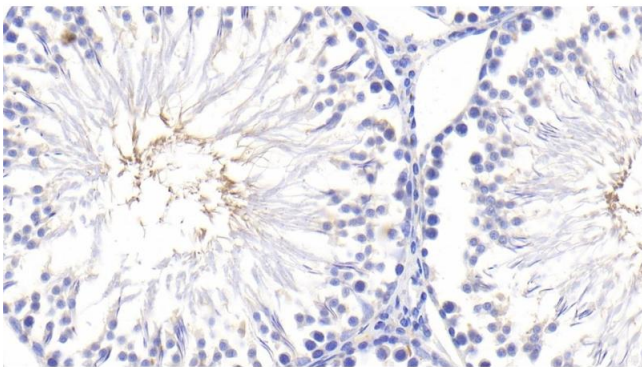
Immunohistochemistry

**Image 1.** Detection of TNFα in Rat Cerebellum Tissue using Polyclonal Antibody to Tumor Necrosis Factor Alpha (TNFα)



Western Blotting

**Image 2.** Detection of Recombinant TNFα, Rat using Polyclonal Antibody to Tumor Necrosis Factor Alpha (TNFα)



Immunohistochemistry

**Image 3.** Detection of TNFα in Rat Testis Tissue using Polyclonal Antibody to Tumor Necrosis Factor Alpha (TNFα)