

Datasheet for ABIN7427300

anti-TNF alpha antibody (AA 80-235)



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2 Images

Overview

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

Product Details

Purpose:	Monoclonal Antibody to Tumor Necrosis Factor Alpha (TNFa)
Immunogen:	Recombinant Tumor Necrosis Factor Alpha (TNFa) corresponding to Leu80~Leu235 with N-terminal His Tag
Clone:	D5
Isotype:	IgG2b kappa
Specificity:	The antibody is a mouse monoclonal antibody raised against TNFa. It has been selected for its ability to recognize TNFa in immunohistochemical staining and western blotting.
Cross-Reactivity:	Mouse
Purification:	Protein A + Protein G affinity chromatography

Target Details

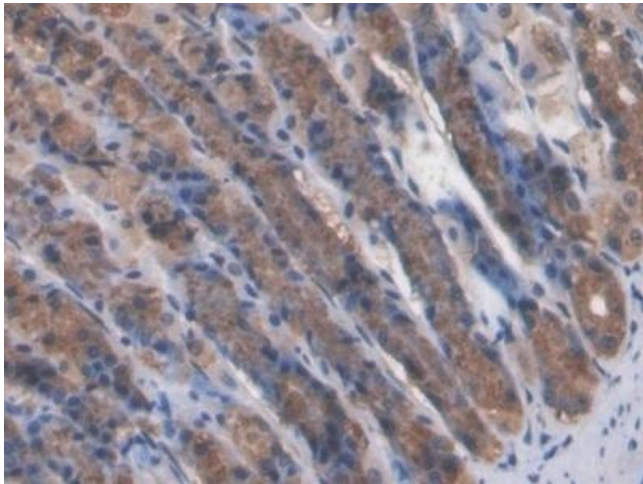
Target:	TNF alpha
Alternative Name:	TNFa (TNF alpha Products)
Background:	DIF, TNF-A, TNFSF2, Cachectin, Tumor Necrosis Factor Ligand Superfamily Member 2
UniProt:	P16599
Pathways:	NF-kappaB Signaling , Apoptosis , Caspase Cascade in Apoptosis , TLR Signaling , Cellular Response to Molecule of Bacterial Origin , Regulation of Leukocyte Mediated Immunity , Positive Regulation of Immune Effector Process , Production of Molecular Mediator of Immune Response , Positive Regulation of Endopeptidase Activity , Hepatitis C , Protein targeting to Nucleus , Inflammasome

Application Details

Application Notes:	Western blotting: 0.01-2 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

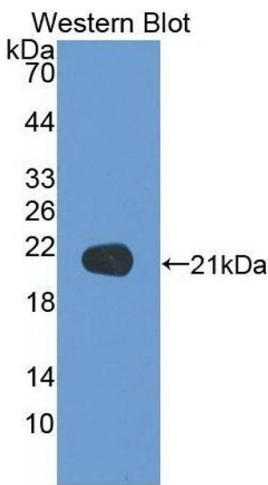
Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	0.01M PBS, pH 7.4, containing 0.05 % Proclin-300, 50 % glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: 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 Stomach Tissue using Monoclonal Antibody to Tumor Necrosis Factor Alpha (TNFα)



Western Blotting

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