

Datasheet for ABIN7250278
anti-TNF alpha antibody



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2 Images

Overview

Quantity:	200 µL
Target:	TNF alpha
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This TNF alpha antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Synthetic Peptide
Clone:	3D8
Isotype:	IgG
Characteristics:	Monoclonal Antibody
Purification:	Protein A purification

Target Details

Target:	TNF alpha
Alternative Name:	TNF alpha (TNF alpha Products)
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

Target Details

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 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.

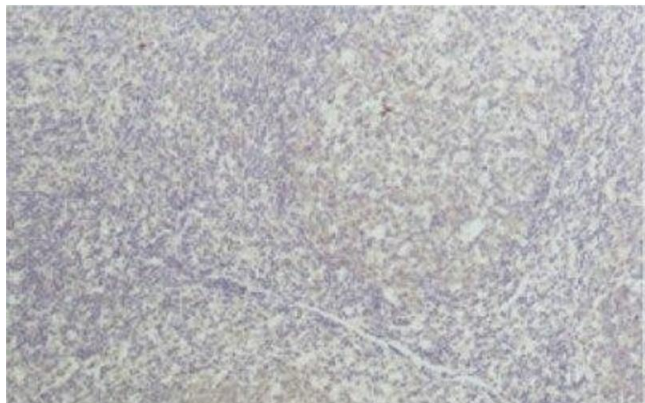
Molecular Weight:	17,25 kDa
UniProt:	P01375
Pathways:	NF-kappaB Signaling , Apoptosis , Caspase Cascade in Apoptosis , TLR Signaling , Cellular Response to Molecule of Bacterial Origin , Regulation of Leukocyte Mediated Immunity , Positive Regulation of Immune Effector Process , Production of Molecular Mediator of Immune Response , Positive Regulation of Endopeptidase Activity , Hepatitis C , Protein targeting to Nucleus , Inflammasome

Application Details

Application Notes:	WB 1:1000-1:3000, IHC 1:50-1:200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS with 0.02 % sodium azide and 50 % glycerol pH 7.4.
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:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



Immunohistochemistry

Image 1. Immunohistochemical analysis of paraffin-embedded Human tonsil tissue using TNF alpha Monoclonal Antibody at dilution of 1:50.



Western Blotting

Image 2. Western Blot analysis of Recombinant human TNF α protein using TNF alpha Monoclonal Antibody at dilution of 1:2000.