

Datasheet for ABIN724580
anti-TNF alpha antibody (AA 86-150)[Go to Product page](#)

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Overview

Quantity:	100 µL
Target:	TNF alpha
Binding Specificity:	AA 86-150
Reactivity:	Human, Mouse, Rat, Pig, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TNF alpha antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunofluorescence (Cultured Cells) (IF (cc))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human TNF alpha
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Pig, Rabbit, Rat
Predicted Reactivity:	Dog, Horse
Purification:	Purified by Protein A.

Target Details

Target:	TNF alpha
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Target Details

Alternative Name:	TNF alpha (TNF alpha Products)
Background:	<p>Synonyms: DIF, TNFA, TNFSF2, TNF-alpha, Tumor necrosis factor, Cachectin, Tumor necrosis factor ligand superfamily member 2, TNF-a, TNF</p> <p>Background: Cytokine that binds to TNFRSF1A/TNFR1 and TNFRSF1B/TNFR. It is mainly secreted by macrophages and can induce cell death of certain tumor cell lines. It is potent pyrogen causing fever by direct action or by stimulation of interleukin-1 secretion and is implicated in the induction of cachexia, Under certain conditions it can stimulate cell proliferation and induce cell differentiation. The TNF intracellular domain (ICD) form induces IL12 production in dendritic cells.</p>
Molecular Weight:	17/26kDa
Gene ID:	7124
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 1:300-5000 ELISA 1:500-1000 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

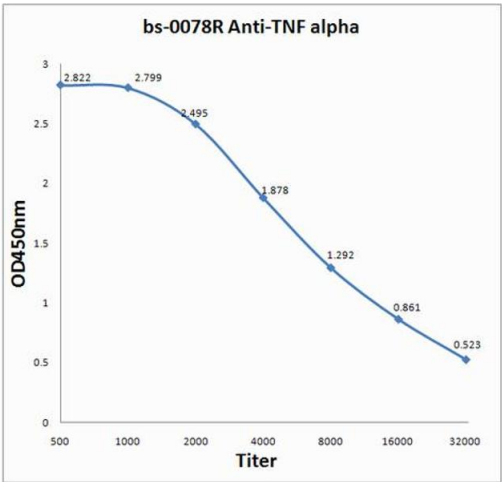
Handling

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:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Publications

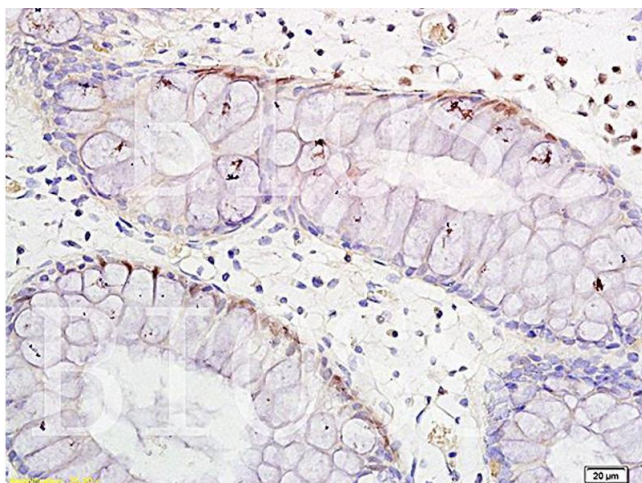
Product cited in:	<p>Xu, Huang, Xie, Lin, Guo, Zhuang, Lin, Zhou, Li, Huang, Wei, Man, Zhang: "The expression of cytoglobin as a prognostic factor in gliomas: a retrospective analysis of 88 patients." in: BMC cancer, Vol. 13, pp. 247, (2013) (PubMed).</p> <p>Li, Dan, Hu, Ouzhu, Ciren, Wang, Wang, Yang, Ze: "CD14 overexpression upregulates TNF-α-mediated inflammatory responses and suppresses the malignancy of gastric carcinoma cells." in: Molecular and cellular biochemistry, Vol. 376, Issue 1-2, pp. 137-43, (2013) (PubMed).</p>
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Images



ELISA

Image 1. Antigen: 0.2 µg/100 µL Primary: Antiserum, 1:500, 1:1000, 1:2000, 1:4000, 1:8000, 1:16000, 1:32000; Secondary: HRP conjugated Goat-Anti-Rabbit IgG at 1: 5000; TMB staining; Read the data in MicroplateReader by 450



Immunohistochemistry

Image 2. Formalin-fixed and paraffin embedded human colitis tissue labeled with Anti-TNF-alpha Polyclonal Antibody, Unconjugated (ABIN724565) 1:300 followed by conjugation to the secondary antibody and DAB staining



SDS-PAGE

Image 3. Human liver lysates probed with Anti TNF alpha Polyclonal Antibody, Unconjugated (ABIN724580) at 1:200 overnight at 4 °C. Followed by conjugation to secondary antibody at 1:3000 for 90 min at 37 °C. Predicted band 17kD, 26kD. Observed band size:26kD.