

Datasheet for ABIN465805
anti-TNF alpha antibody



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2 Images

Overview

Quantity:	100 µg
Target:	TNF alpha
Reactivity:	Mouse
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This TNF alpha antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Neutralization (Neut)

Product Details

Immunogen:	E.coli derived recombinant Murine TNF-alpha.
	Type of Immunogen: Cell extract
Specificity:	Mouse TNF-alpha
Purification:	Immunoaffinity purified

Target Details

Target:	TNF alpha
Alternative Name:	TNF Alpha (TNF alpha Products)
Background:	Name/Gene ID: TNF Family: TNF

Target Details

	Synonyms: TNF, APC1 protein, Cachectin, DIF, TNF Alpha, Tumor necrosis factor-alpha, TNF-alpha, TNF-a, TNFA, Tumor necrosis factor, TNF, macrophage-derived, TNF, monocyte-derived, TNFSF2
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:	Approved: ELISA (0.5 - 2 µg/mL), Neut (5 - 8 µg/mL), WB Usage: Immunohistochemistry: This antibody stained colchicine injected mouse brain (hippocampus CA1 region) tissue. The primary antibody was incubated at 1 µg/mL overnight at 4 °C. This was followed by a peroxidase conjugated secondary antibody and then a fluorescein Tyramide Signal Amplification (TSA) reagent. Optimal concentrations and conditions may vary. Information and photo are courtesy of the Tissue Profiling group, SciLifeLab Stockholm. Neutralization: To yield one-half maximal inhibition [ND] of the biological activity of Murine TNF-alpha (0.25 ng/mL), a concentration of 0.05-0.08 µg/mL of this antibody is required. ELISA: To detect Murine TNF-alpha by sandwich ELISA (using 100 µL/well antibody solution) a concentration of 0.5-2 µg/mL of this antibody is required. This antigen affinity purified antibody, in conjunction with Biotinylated Anti-Murine TNF-alpha (LS-C104810) as a detection antibody, allows the detection of at least 0.2-0.4 ng/well of recombinant Murine TNF-alpha. Western Blot: To detect Murine TNF-alpha by Western Blot analysis this antibody can be used at a concentration of 0.1-0.2 µg/mL. When used in conjunction with compatible secondary reagents, the detection limit for recombinant Murine TNF-alpha is 1.5-3 ng/lane, under either reducing or non-reducing conditions.
Comment:	Target Species of Antibody: Mouse
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Sterile water
Concentration:	Lot specific
Buffer:	Lyophilized from PBS, pH 7.2
Handling Advice:	Avoid freeze/thaw cycles.
Storage:	4 °C,-20 °C
Storage Comment:	Store Lyophilized at room temperature up to 1 month Reconstituted for up to 2 weeks at 2-8°C. Aliquot and freeze at -20°C for long term storage. Avoid freeze/thaw cycles.

Images

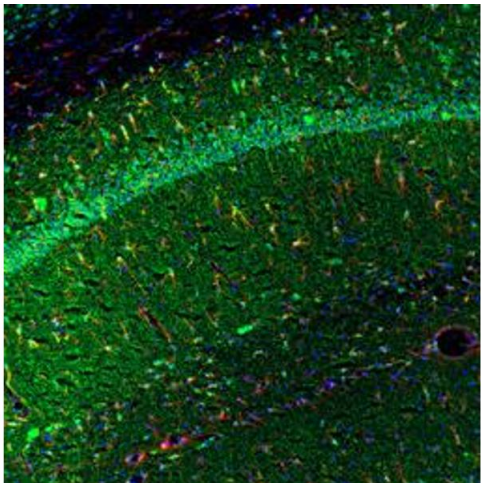


Image 1.

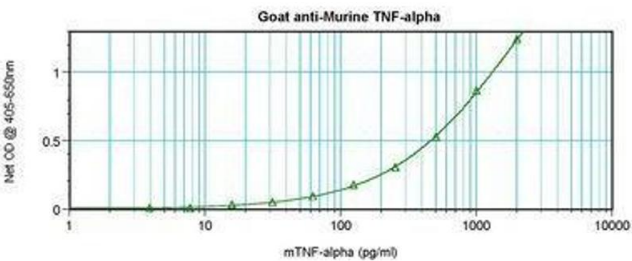


Image 2.