

# Product Datasheet

## TNF-alpha Antibody - Azide and BSA Free NBP2-44062-0.25mg

Unit Size: 0.25 mg

Store at -20C. Avoid freeze-thaw cycles.

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**NBP2-44062-0.25mg**

TNF-alpha Antibody - Azide and BSA Free

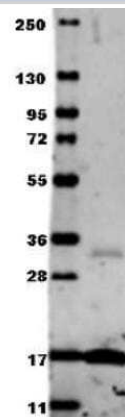
Product Information	
Unit Size	0.25 mg
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	No Preservative
Isotype	IgG
Purity	IgG purified
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

Product Description	
Description	Store this antibody at -20C prior to opening. Aliquot contents and freeze at -20C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4C as an undiluted liquid. Dilute only prior to immediate use.
Host	Rabbit
Gene ID	7124
Gene Symbol	TNF
Species	Human
Specificity/Sensitivity	This antibody is primarily directed against mature 17,000 MW human TNFalpha and is useful in determining its presence in various assays. In general, this antibody also detects primate TNFalpha in the same formats using similar dilutions. The antibody does not recognize human TNFbeta (lymphotoxin). This IgG fraction antibody will recognize the cell-bound precursor of TNFalpha as a 26,000 protein in immunoblots, particularly in denatured samples. This antibody is also useful for neutralization of human and primate TNFalpha activity in bioassays. It does not neutralize the biological activity of lymphotoxin. For neutralization, it is recommended to incubate the sample with a 1:200 dilution of the antibody for at least 4 hours before being tested. A control of similarly diluted normal rabbit IgG is recommended.
Immunogen	TNF-alpha Antibody used to produce this IgG fraction antibody was prepared by repeated immunizations with recombinant human TNFa. (Uniprot: P01375)

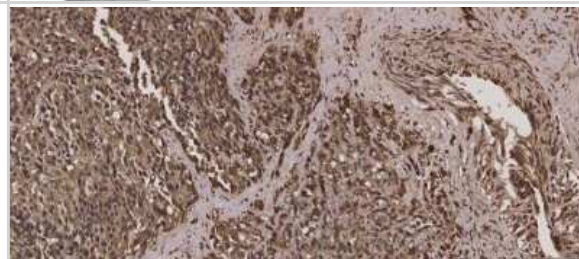
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:500-1:2000, ELISA 1:1000-1:5000, Immunohistochemistry 1:100-1:500, Immunocytochemistry/ Immunofluorescence 1:10 - 1:500, Immunohistochemistry-Paraffin
Application Notes	This product has been tested in WB, ELISA, IF, and IHC. Expect a band in appropriate lysates at ~25.6kDa. This antibody is also useful for neutralization of human and primate TNFalpha activity in bioassays diluted at 1:200. The antibody does not recognize human TNF beta (lymphotoxin). Specific conditions for reactivity and signal detection should be optimized by the end user.  IHC reported in a verified customer review.

## Images

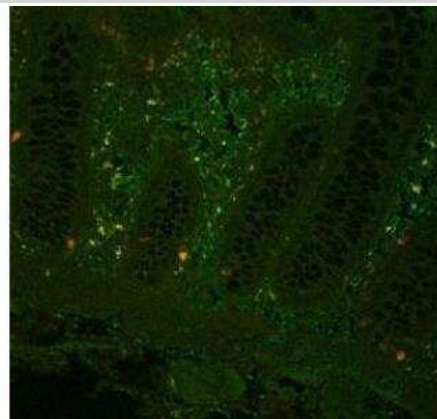
Western Blot: TNF-alpha Antibody [NBP2-44062] - Membrane blocked in 1% BSA-TBS-T 30 min RT, Rb-a-TNF alpha added at 1:1000 in 1% BSA-TBS-T o/n 4C, DyLight 649 Goat anti-Rabbit added at 1:20,000 in blocking buffer for 30 min RT.



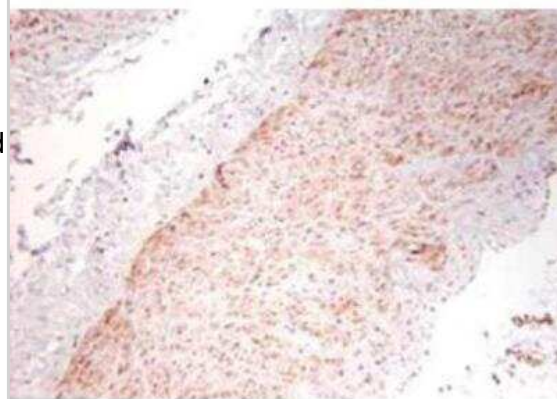
Immunohistochemistry: TNF-alpha Antibody [NBP2-44062] - Human prostate tissue was stained using TNFa antibody. This image was submitted via customer Review.



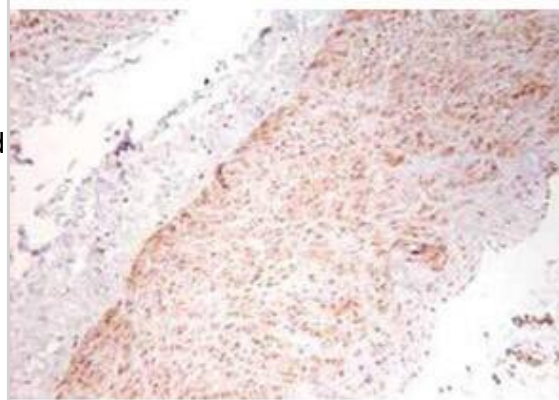
Immunohistochemistry: TNF-alpha Antibody [NBP2-44062] - Fluorescent immunohistochemistry showing staining of human colon.



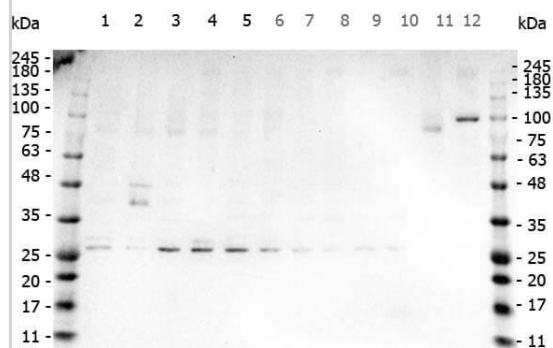
Immunohistochemistry: TNF-alpha Antibody [NBP2-44062] - Staining of formalin/PFA-fixed paraffin-embedded sections of human artery tissue sections. Sections were fixed in formaldehyde and subjected to heat mediated antigen retrieval in citrate buffer (pH 6.0). Slides were blocked for ten minutes with 1.5% serum. Primary antibody was diluted 1:100 and incubated with samples for 24 hours at 4C. HRP-conjugated goat anti-rabbit antibody was used as the secondary antibody.



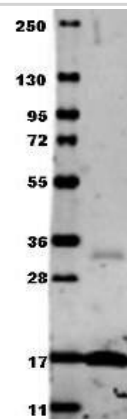
Immunohistochemistry using polyclonal TNF $\alpha$  antibody showing staining of formalin/PFA-fixed paraffin-embedded sections of human artery tissue sections. Sections were fixed in formaldehyde and subjected to heat mediated antigen retrieval in citrate buffer (pH 6.0). Slides were blocked for ten minutes with 1.5% serum. Primary antibody was diluted 1:100 and incubated with samples for 24 hours at 4C. HRP-conjugated goat anti-rabbit antibody was used as the secondary antibody.



Western Blot of TNF-alpha Antibody antibody. Marker: Opal Pre-stained ladder



Western blot using Anti-Human TNF-a (RABBIT) Antibody. Membrane blocked in 1% or 30 min at RT, Rb-a-TNF alpha added at 1:1000 in 1% /n 4C, DyLight 649 Gt-a-Rb





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### **Products Related to NBP2-44062-0.25mg**

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP2-35076-10ug	Recombinant Human TNF-alpha Protein

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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