

**Anti-Human TNF Alpha Secondary Antibody**  
**Rabbit Polyclonal, Unconjugated**  
**Catalog # ASR3287****Specification**

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**Anti-Human TNF Alpha Secondary Antibody - Product Information**

Description	<b>Anti-Human TNF alpha (RABBIT) Antibody</b>
Host	<b>Rabbit</b>
Conjugate	<b>Unconjugated</b>
Target Species	<b>Human</b>
Reactivity	<b>Human</b>
Clonality	<b>Polyclonal</b>
Application	<b>,1,10,</b>
Application Note	<b>ELISA 1:1,000-1:5,000;Western Blot 1:500-1:2,000</b>
Physical State	<b>Liquid (sterile filtered)</b>
Host Isotype	<b>Antiserum</b>
Buffer	<b>None</b>
Immunogen	<b>The whole rabbit serum was prepared by repeated immunizations with recombinant human TNF<math>\alpha</math> produced in E.coli.</b>
Stabilizer	<b>None</b>

**Anti-Human TNF Alpha Secondary Antibody - Additional Information****Shipping Condition**

Dry Ice

**Purity**

This antiserum has been heated to 56°C for 30 minutes. The antiserum is directed against mature 17,000 MW human TNF $\alpha$  and is useful in determining its presence in various assays. In general, this antibody also detects primate TNF $\alpha$  in the same formats using similar dilutions. The antibody does not recognize human TNF $\beta$  (lymphotoxin). This antiserum will recognize the cell-bound precursor of TNF $\alpha$  as a 26,000 protein in immunoblots, particularly in denatured samples. This antibody is also useful for neutralization of human and primate TNF $\alpha$  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.

**Storage Condition**

Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C 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 4° C as an undiluted liquid. Dilute only prior to immediate use.

**Precautions Note**

This product is for research use only and is not intended for therapeutic or diagnostic applications.

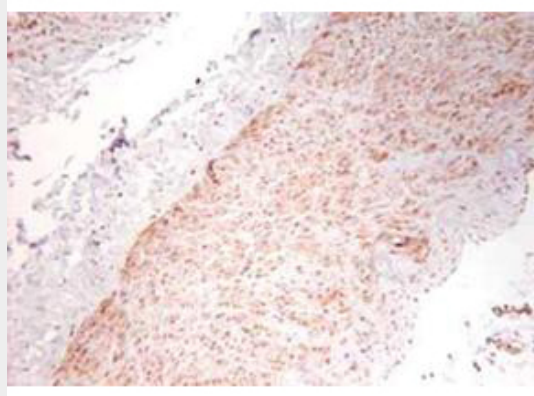
**Anti-Human TNF Alpha Secondary Antibody - Protein Information**

## Anti-Human TNF Alpha Secondary Antibody - Protocols

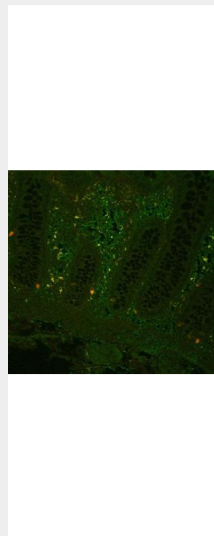
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## Anti-Human TNF Alpha Secondary Antibody - Images

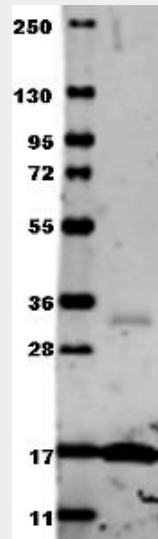


Immunohistochemistry using Abcepta's polyclonal TNF $\alpha$  antibody showing staining of formalin/PFA-fixed paraffin-embedded sections of human artery tissue sections. Sections were fixed in formaldehyde and subjected to heat mediated antigen retrieval in citrate buffer (pH 6.0). Slides were blocked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



Fluorescent immunohistochemistry showing staining of human colon by Abcepta's anti-TNF alpha

(formalin/PFA-fixed paraffin-embedded sections). Samples were formaldehyde-fixed, then blocked in 10% serum for 2 hours at 20°C. The primary antibody was diluted 1:100 and incubated with the sample for 2 hours at 20°C. Alexa Fluor® 680 goat polyclonal secondary antibody was used diluted 1:5000.



Western blot using Abcepta's Anti-Human TNF- $\alpha$  (RABBIT) Antibody. Membrane blocked in 1% BSA-TBS-T 30 min RT, Rb- $\alpha$ -TNF added at 1:1000 in 1% BSA-TBS-T o/n 4°C, DyLight 649 Gt- $\alpha$ -Rb 611-143-122 added at 1:20,000 in MB-070 30 min RT.