

## Product datasheet

# Anti-TNF alpha antibody ab6671

★★★★☆ 34 Abreviews 531 References 1 Image

### Overview

<b>Product name</b>	Anti-TNF alpha antibody
<b>Description</b>	Rabbit polyclonal to TNF alpha
<b>Host species</b>	Rabbit
<b>Specificity</b>	<p>The immunogen used to raise this antibody shares 78% homology with mouse and rat TNF alpha protein. Some customers have successfully used <a href="#">ab6761</a> with mouse and rat samples, however we do not batch test in these species and therefore we cannot guarantee this product will consistently work with mouse and rat. We would recommend <a href="#">ab205587</a> or <a href="#">ab1793</a> as an alternative product for use with these species.</p> <p>The antibody does not recognize human TNF beta (lymphotoxin).</p>
<b>Tested applications</b>	<b>Suitable for:</b> WB
<b>Species reactivity</b>	<p><b>Reacts with:</b> Recombinant fragment</p> <p><b>Predicted to work with:</b> Mouse, Rat, Dog, Pig, Monkey, Non human primates, Cynomolgus monkey ▲</p>
<b>Immunogen</b>	<p>Recombinant full length protein corresponding to Human TNF alpha.</p> <p>Database link: <a href="#">P01375</a></p>
<b>Positive control</b>	<div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 5px;"> <p>Purchase matching WB positive control:  <a href="#">Recombinant Human TNF alpha protein</a> &gt;</p> </div> <p>WB: Recombinant TNF-alpha protein.</p>
<b>General notes</b>	<p>Endotoxin content by LAL is &lt;10 pg/ml.</p> <p>Abcam recommended secondaries - Goat Anti-Rabbit HRP (<a href="#">ab205718</a>) and Goat Anti-Rabbit Alexa Fluor® 488 (<a href="#">ab150077</a>).</p> <p>See other <a href="#">anti-rabbit secondary antibodies</a> that can be used with this antibody.</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

## Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	Constituents: 0.42% Potassium phosphate, 0.87% Sodium chloride
<b>Purity</b>	IgG fraction
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

## Applications

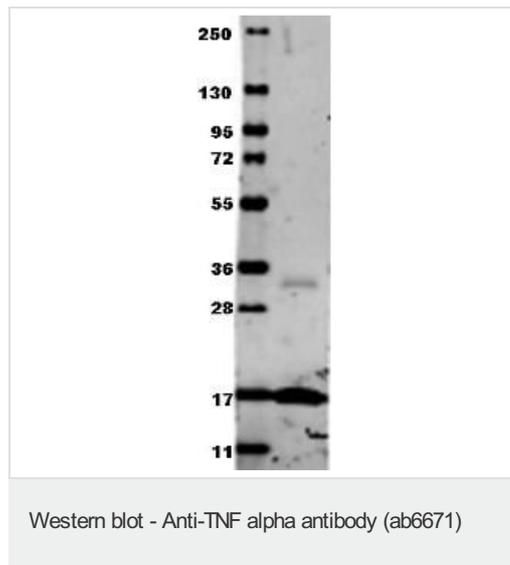
**The Abpromise guarantee** Our [Abpromise guarantee](#) covers the use of ab6671 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB	★★★★☆ (10)	1/500 - 1/2000. Predicted molecular weight: 25.6 kDa. Membrane Blocking is recommended with BSA not Milk for this product.  Suitable for use as a positive control for Western blot against recombinant TNFalpha produced in E.Coli.

## Target

<b>Function</b>	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.
<b>Involvement in disease</b>	Genetic variations in TNF are a cause of susceptibility psoriatic arthritis (PSORAS) [MIM:607507]. PSORAS is an inflammatory, seronegative arthritis associated with psoriasis. It is a heterogeneous disorder ranging from a mild, non-destructive disease to a severe, progressive, erosive arthropathy. Five types of psoriatic arthritis have been defined: asymmetrical oligoarthritis characterized by primary involvement of the small joints of the fingers or toes; asymmetrical arthritis which involves the joints of the extremities; symmetrical polyarthritis characterized by a rheumatoidlike pattern that can involve hands, wrists, ankles, and feet; arthritis mutilans, which is a rare but deforming and destructive condition; arthritis of the sacroiliac joints and spine (psoriatic spondylitis).
<b>Sequence similarities</b>	Belongs to the tumor necrosis factor family.
<b>Post-translational modifications</b>	The soluble form derives from the membrane form by proteolytic processing. The membrane form, but not the soluble form, is phosphorylated on serine residues. Dephosphorylation of the membrane form occurs by binding to soluble TNFRSF1A/TNFR1. O-glycosylated; glycans contain galactose, N-acetylgalactosamine and N-acetylneuraminic acid.
<b>Cellular localization</b>	Secreted and Cell membrane.



Anti-TNF alpha antibody (ab6671) at 1/1000 dilution +  
Recombinant TNF alpha protein

### Secondary

Goat Anti-Rabbit Dylight® 649 Conjugate at 1/20000 dilution

**Predicted band size:** 25.6 kDa

**Additional bands at:** 16 kDa (possible cleavage fragment)

Western Blot analysis, labeling TNF alpha with ab6671 at 1/1000. Blocking was with 1% BSA in TBS-T incubated for 30 minutes at room temperature. The cleavage fragment is related to the soluble isoform 77 - 223.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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