

## Product datasheet

# Anti-TNFAIP3 antibody ab74037

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### Overview

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<b>Product name</b>	Anti-TNFAIP3 antibody
<b>Description</b>	Rabbit polyclonal to TNFAIP3
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, ICC/IF
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Human
<b>Immunogen</b>	A synthesized peptide derived from the internal region of human TNFAIP3.
<b>General notes</b>	<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

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
<b>Storage buffer</b>	pH: 7.40 Preservative: 0.02% Sodium azide Constituents: 50% Glycerol, 0.87% Sodium chloride, PBS
	Without Mg <sup>2+</sup> and Ca <sup>2+</sup>
<b>Purity</b>	Immunogen affinity purified
<b>Purification notes</b>	The antibody was affinity purified from rabbit antiserum by affinity chromatography using epitope specific immunogen.
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

### Applications

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## The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab74037 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		1/500 - 1/1000. Predicted molecular weight: 90 kDa.
ICC/IF		1/500 - 1/1000.

## Target

### Function

Ubiquitin-editing enzyme that contains both ubiquitin ligase and deubiquitinase activities. Essential component of a ubiquitin-editing protein complex, comprising also RNF11, ITCH and TAX1BP1, that ensures the transient nature of inflammatory signaling pathways. Upon TNF stimulation, deubiquitinates 'Lys-63'-polyubiquitin chains on RIPK1 and catalyzes the formation of 'Lys-48'-polyubiquitin chains. This leads to RIPK1 proteasomal degradation and consequently termination of the TNF- or LPS-mediated activation of NF-kappa-B. In vitro able to deubiquitinate both 'Lys-48'- and 'Lys-63' polyubiquitin chains. Inhibitor of programmed cell death. Has a role in the function of the lymphoid system.

### Sequence similarities

Belongs to the peptidase C64 family.  
Contains 7 A20-type zinc fingers.  
Contains 1 OTU domain.

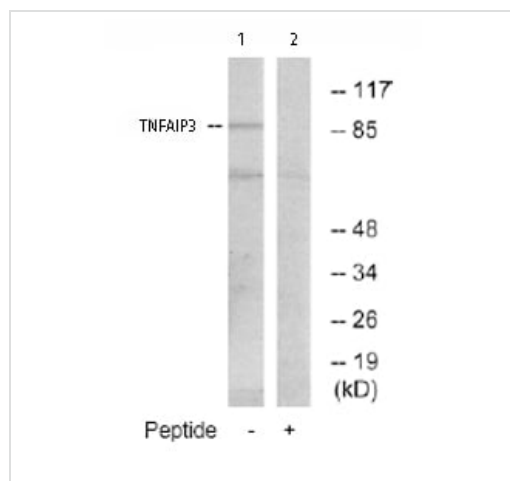
### Domain

The A20-type zinc fingers mediate the ubiquitin ligase activity.  
The OTU domain mediates the deubiquitinase activity.

### Cellular localization

Cytoplasm. Nucleus.

## Images



Western blot - Anti-TNFAIP3 antibody (ab74037)

**All lanes :** Anti-TNFAIP3 antibody (ab74037) at 1/500 dilution

**Lane 1 :** Extracts from RAW264.7 cells

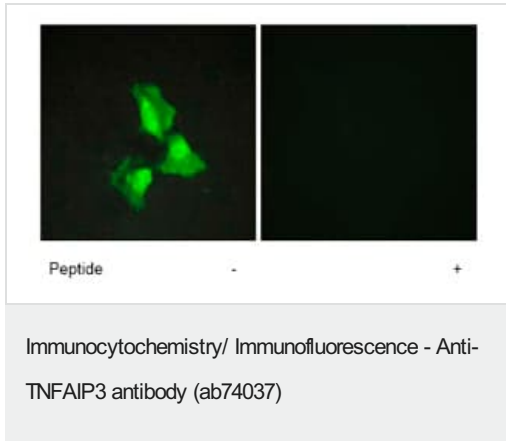
**Lane 2 :** Extracts from RAW264.7 cells with immunizing peptide at 5 µg

Lysates/proteins at 5 µg per lane.

**Predicted band size:** 90 kDa

**Observed band size:** 90 kDa

**Additional bands at:** 70 kDa. We are unsure as to the identity of these extra bands.



Immunofluorescence analysis of TNFAIP3 in HepG2 cells using ab74037 at a 1/500 dilution.

Left image: untreated.

Right image: treated with immunizing peptide.

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

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