



# Rabbit Anti-Human TNFAIP3 monoclonal antibody, clone TO18-42 (CABT-L744)

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

## PRODUCT INFORMATION

<b>Target</b>	TNFAIP3
<b>Immunogen</b>	Recombinant protein
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Clone</b>	TO18-42
<b>Purification</b>	Protein A purified.
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB, ICC/IF, IHC, FC
<b>Molecular Weight</b>	90 kDa
<b>Cellular Localization</b>	Cytoplasm, Nucleus, Lysosome.
<b>Positive Control</b>	A549, Jurkat, Hela, HepG2, human kidney tissue.
<b>Format</b>	Liquid
<b>Size</b>	100 µl
<b>Buffer</b>	1×TBS (pH7.4), 1% BSA, 40% Glycerol.
<b>Preservative</b>	0.05% Sodium Azide

**Storage**

Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

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## BACKGROUND

**Introduction**

A20 is a Cys2/Cys2 zinc finger protein that is induced by a variety of inflammatory stimuli and regulates gene expression. Specifically, A20 is induced by tumor necrosis factor (TNF) and interleukin 1 (IL-1), and acts as a negative regulator of nuclear factor  $\kappa$  B (NF $\kappa$ B) gene expression. By inhibiting NF $\kappa$ B activation, A20 plays a critical role in terminating NF $\kappa$ B responses to various stimuli. Although the C-terminal region of A20 contains seven zinc finger domains, only four of these domains are required for in vitro inhibition of TNF-induced NF $\kappa$ B activation. A20 also interacts with several other proteins, such as TRAF2, TRAF6 and I $\kappa$ B kinase (IKK)  $\gamma$  protein, and can thereby inhibit cell death. TXBP151, a novel A20-binding protein, may mediate the anti-apoptotic activity of A20. Involved in the negative feedback regulation of signal transduction, A20 and A20-binding proteins may be useful as novel therapeutic tools in the treatment of a variety of diseases.

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**Keywords**

A20;AISBL;MGC104522;MGC138687;MGC138688;OTU domain containing protein 7C;OTU domain-containing protein 7C;OTUD7C;Putative DNA binding protein A20;Putative DNA-binding protein A20;TNAP3\_HUMAN;TNF alpha-induced protein 3;TNFA1P2;TNFAIP3;TNFAIP3 (A20);TNFAIP3;Tumor necrosis factor alpha induced protein 3;Tumor necrosis factor alpha-induced protein 3;Tumor necrosis factor induced protein 3;Tumor necrosis factor inducible protein A20;tumor necrosis factor, alpha-induced protein 3;Zinc finger protein A20 antibody

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## GENE INFORMATION

**Entrez Gene ID**

[7128](#)

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**UniProt ID**

[P21580](#)

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