

## Anti-TNFAIP3 Antibody (3Z618)

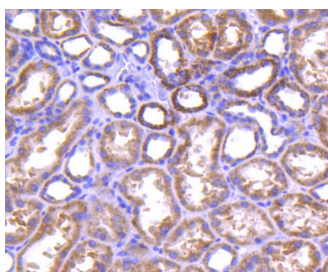
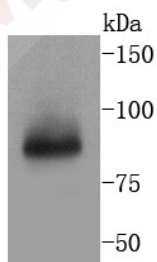
### Product Details

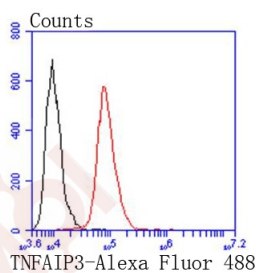
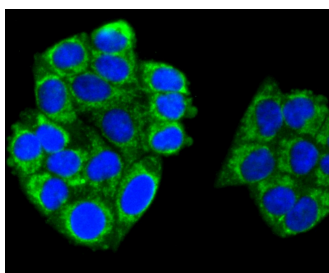
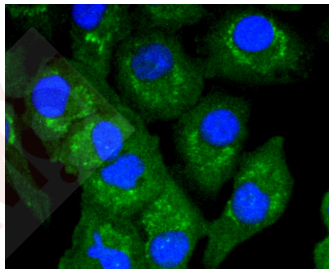
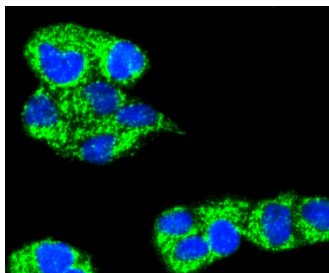
Ig Type:	IgG
Reactivity:	Human
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 90 kDa.
Clone:	3Z618
Purification:	ProA affinity purified

### Applications

#### Verified Activity:

1. Western blot analysis of TNFAIP3 on Jurkat cells lysates using anti-TNFAIP3 antibody at 1/1,000 dilution.
2. Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-TNFAIP3 antibody. Counter stained with hematoxylin.
3. ICC staining TNFAIP3 in Hela cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
4. ICC staining TNFAIP3 in A549 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
5. ICC staining TNFAIP3 in HepG2 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
6. Flow cytometric analysis of HepG2 cells with TNFAIP3 antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.





Application: FCM,ICC/IF,IHC,WB

Recommended WB: 1:1000; IHC: 1:50-200; ICC/IF: 1:100-500; FCM: 1:50-100

### Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

### Antigen Details

Immunogen: Recombinant Protein

Uniprot ID: P21580

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

factor, alpha-induced protein 3;Tumor necrosis factor induced protein 3

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### Research Background

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 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.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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