

# Anti-TNFAIP3 Antibody

ER1706-32



<b>Product Type:</b>	Rabbit polyclonal IgG, primary antibodies
<b>Species reactivity:</b>	Human, Mouse, Rat
<b>Applications:</b>	WB, IF-Cell, IHC-P, FC
<b>Molecular Wt:</b>	90 kDa

**Description:** 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.

**Immunogen:** Recombinant protein within Human TNFAIP3 aa 225-410 / 790.

**Positive control:** Jurkat, Daudi, A431, LOVO, rat lung tissue, human liver cancer tissue, human kidney tissue, mouse testis tissue, HepG2.

**Subcellular location:** Cytoplasm, Nucleus, Lysosome.

**Database links:** SwissProt: P21580 Human | Q60769 Mouse | M0R7V5 Rat

**Recommended Dilutions:**

<b>WB</b>	1:500
<b>IF-Cell</b>	1:100-1:500
<b>IHC-P</b>	1:50-1:200
<b>FC</b>	1:50-1:100

**Storage Buffer:** 1\*PBS (pH7.4), 0.2% BSA, 50% Glycerol. Preservative: 0.05% Sodium Azide.

**Storage Instruction:** Shipped at 4°C. Store at +4°C short term (1-2 weeks). It is recommended to aliquot into single-use upon delivery. Store at -20°C long term.

**Purity:** Protein A affinity purified.

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Orders:0086-571-88062880

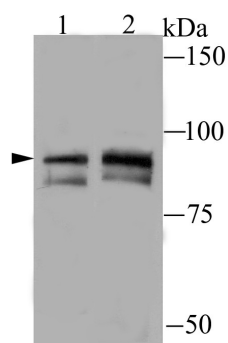
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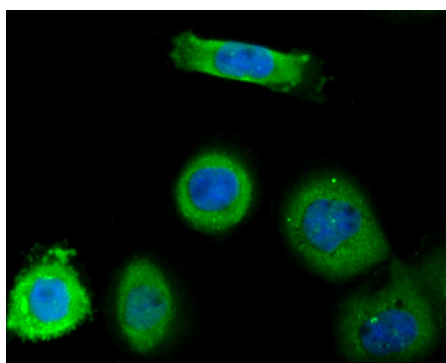
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Applications:WB=Western blot IHC-P=Immunohistochemistry (paraffin) IF-Cell=Immunofluorescence (Cell) IF-Tissue=Immunofluorescence (Tissue) FC=Flow cytometry IP=Immunoprecipitation

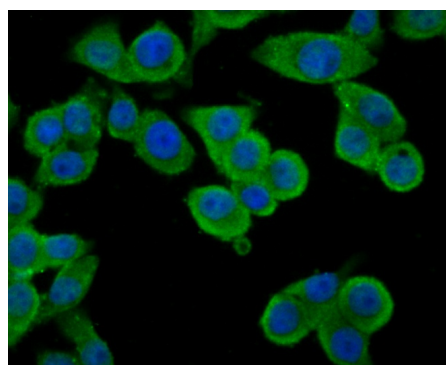
## Images



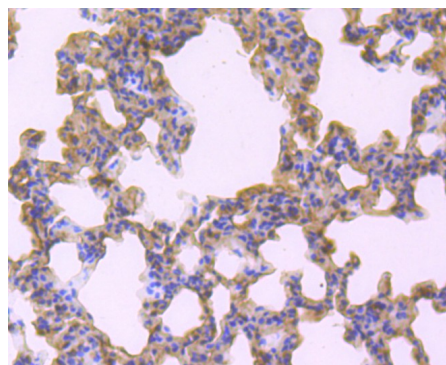
**Fig1:** Western blot analysis of TNFAIP3 on Jurkat (1) and Daudi (2) cell lysate using anti-TNFAIP3 antibody at 1/100 dilution.



**Fig2:** ICC staining TNFAIP3 in A431 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



**Fig3:** ICC staining TNFAIP3 in LOVO cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



**Fig4:** Immunohistochemical analysis of paraffin-embedded rat lung tissue using anti-TNFAIP3 antibody. Counter stained with hematoxylin.

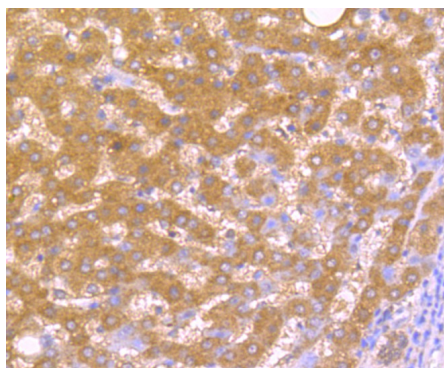
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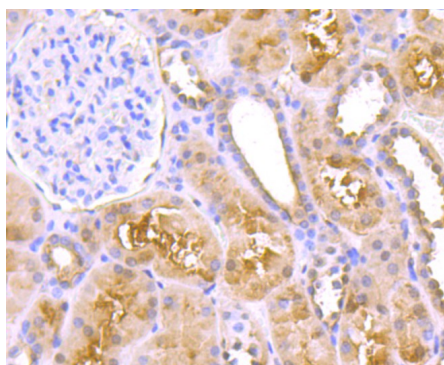
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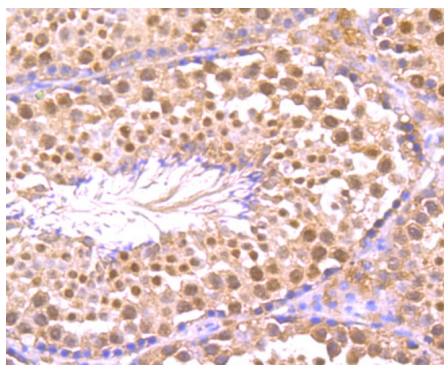
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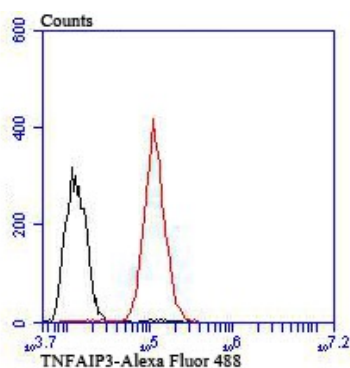
**Fig5:** Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-TNFAIP3 antibody. Counter stained with hematoxylin.



**Fig6:** Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-TNFAIP3 antibody. Counter stained with hematoxylin.



**Fig7:** Immunohistochemical analysis of paraffin-embedded mouse testis tissue using anti-TNFAIP3 antibody. Counter stained with hematoxylin.



**Fig8:** Flow cytometric analysis of HepG2 cells with TNFAIP3 antibody at 1/100 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Goat anti rabbit IgG (FITC) was used as the secondary antibody.

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**Note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

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