

## TNFAIP3

**Reactivity:** Human Mouse Rat

**Tested applications:** WB IHC ICC IF

**Recommended Dilution:** WB 1:500 - 1:2000 IHC 1:50 - 1:200 ICC 1:50 - 1:200 IF 1:50 - 1:200

**Calculated MW:** 90kDa

**Observed MW:** Refer to Figures

**Immunogen:**

Recombinant protein of human TNFAIP3

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Concentration:**

bps

**Synonym:**

A20; MGC104522; MGC138687; MGC138688; OTUD7C; TNFA1P2;

**Catalog #:** A2127

**Antibody Type:**

Polyclonal Antibody

**Species:** Rabbit

**Gene ID:** 7128

**Isotype:** IgG

**Swiss Prot:** P21580

**Purity:** Affinity purification

For research use only.

**Background:**

A20, also referred to as TNF--induced protein 3 (TNFAIP3), is cytokine-inducible protein that functions to inhibit apoptosis and activate NF-B (1,2). It was first identified as a TNF- inducible primary response gene in human umbilical vein endothelial cells, and encodes a 790-amino acid protein containing seven Cys2/Cys2-zinc finger motifs (3). Constitutive expression of A20 is observed in lymphoid tissues (4), but it is transiently expressed in a variety of cell types in response to inflammatory signals such as TNF- (3,5), IL-1 (3,5), phorbol esters (6), and LPS (7). Expression of A20 can confer resistance to apoptosis and NF-B activation triggered by these signals, probably through interference with TRAF (TNF receptor associated factor) family members (8,9), and interaction with the NF-B inhibiting protein ABIN (10). Studies also show that A20 contains site-specific ubiquitin modifying activity that can contribute to its biological functions (11,12). The amino-terminus of A20 contains de-ubiquitinating (DUB) activity for Lys63 branches, such as those found in TRAF6 and RIP, while the carboxyl-terminus contains ubiquitin ligase (E3) activity for Lys48 branches of the same substrates and leads to their degradation (12).

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