

## Product datasheet for **TA327286**

### TNFAIP3 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB 1:500 - 1:2000
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant protein of human TNFAIP3
Formulation:	Store at -20C or -80C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3
Concentration:	lot specific
Purification:	Affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	TNF alpha induced protein 3
Database Link:	<a href="#">NP_006281</a> <a href="#">Entrez Gene 21929 Mouse</a> <a href="#">Entrez Gene 683206 Rat</a> <a href="#">Entrez Gene 7128 Human</a> <a href="#">P21580</a>



[View online »](#)

**Background:**

A20, also referred to as TNF- $\alpha$ -induced protein 3 (TNFAIP3), is cytokine-inducible protein that functions to inhibit apoptosis and activate NF- $\kappa$ B. It was first identified as a TNF- $\alpha$  inducible primary response gene in human umbilical vein endothelial cells, and encodes a 790-amino acid protein containing seven Cys2/Cys2-zinc finger motifs. Constitutive expression of A20 is observed in lymphoid tissues, but it is transiently expressed in a variety of cell types in response to inflammatory signals such as TNF- $\alpha$ , IL-1, phorbol esters, and LPS. Expression of A20 can confer resistance to apoptosis and NF- $\kappa$ B activation triggered by these signals, probably through interference with TRAF (TNF receptor associated factor) family members, and interaction with the NF- $\kappa$ B inhibiting protein ABIN. Studies also show that A20 contains site-specific ubiquitin modifying activity that can contribute to its biological functions. 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.

**Synonyms:**

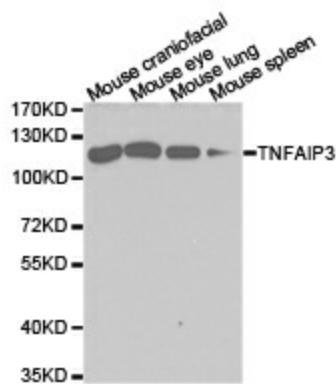
A20; OTUD7C; TNFA1P2

**Protein Families:**

Druggable Genome

**Protein Pathways:**

NOD-like receptor signaling pathway

**Product images:**

Western blot analysis of extracts of various mouse tissues, using TNFAIP3 antibody