



E92127

TNFAIP3 Polyclonal Antibody

- Catalog Number:** E92127
- Amount:** 100ul
- Background:** A20, also referred to as TNF- α -induced protein 3 (TNFAIP3), is cytokine-inducible protein that functions to inhibit apoptosis and activate NF- κ B (1,2). It was first identified as a TNF- α 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- α (3,5), IL-1 (3,5), phorbol esters (6), and LPS (7). Expression of A20 can confer resistance to apoptosis and NF- κ B activation triggered by these signals, probably through interference with TRAF (TNF receptor associated factor) family members (8,9), and interaction with the NF- κ 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).
- Species:** Rabbit
- Isotype:** IgG
- Storage/Stability:** Store at -20oC or -80oC. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
- Synonyms:** A20; MGC104522; MGC138687; MGC138688; OTUD7C; TNFA1P2;
- Immunogen:** Recombinant protein of human TNFAIP3
- Purification:** Affinity purification
- Reactivity:** H M R
- Applications:** WB IHC
- Molecular Weight:** 90kDa
- Swiss-Prot No. :** P21580
- Gene ID:** 7128
- References:** 1. Beyaert, R. et al. (2000) *Biochem Pharmacol* 60, 1143-51. 2. Lee, E.G. et al. (2000) *Science* 289, 2350-4. 3. Dixit, V.M. et al. (1990) *J Biol Chem* 265, 2973-8. 4. Tewari, M. et al. (1995) *J Immunol* 154, 1699-706. 5. Jäättelä, M. et al. (1996) *J Immunol* 156, 1166-73. 6. Laherty, C.D. et al. (1993) *J Biol Chem* 268, 5032-9. 7. Hu, X. et al. (1998) *Blood* 92, 2759-65. 8. Song, H.Y. et al. (1996) *Proc Natl Acad Sci USA* 93, 6721-5. 9. Heyninck, K. and Beyaert, R. (1999) *FEBS Lett* 442, 147-50. 10. Heyninck, K. et al. (1999) *J Cell Biol* 145, 1471-82. 11. Evans, P.C. et al. (2004) *Biochem J* 378, 727-34. 12. Lin, S.C. et al. (2008) *J Mol Biol* 376, 526-40.

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