

**A20 Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP51570****Specification**

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**A20 Antibody - Product Information**

Application	WB, ICC, IHC-P, E
Primary Accession	<a href="#">P21580</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	90 KDa

**A20 Antibody - Additional Information****Gene ID** 7128**Other Names**

Tumor necrosis factor alpha-induced protein 3, TNF alpha-induced protein 3, 632-, OTU domain-containing protein 7C, Putative DNA-binding protein A20, Zinc finger protein A20, A20p50, A20p37, TNFAIP3, OTUD7C

**Target/Specificity**

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human A20. The exact sequence is proprietary.

**Dilution**

WB~~1:1000  
ICC~~N/A  
IHC-P~~N/A  
E~~N/A

**Format**

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

**Storage**

Store at -20 °C. Stable for 12 months from date of receipt

**A20 Antibody - Protein Information****Name** TNFAIP3**Synonyms** OTUD7C**Function**

Ubiquitin-editing enzyme that contains both ubiquitin ligase and deubiquitinase activities. Involved in immune and inflammatory responses signaled by cytokines, such as TNF-alpha and IL-1 beta, or pathogens via Toll-like receptors (TLRs) through terminating NF-kappa-B activity. Essential

component of a ubiquitin-editing protein complex, comprising also RNF11, ITCH and TAX1BP1, that ensures the transient nature of inflammatory signaling pathways. In cooperation with TAX1BP1 promotes disassembly of E2-E3 ubiquitin protein ligase complexes in IL-1R and TNFR-1 pathways; affected are at least E3 ligases TRAF6, TRAF2 and BIRC2, and E2 ubiquitin-conjugating enzymes UBE2N and UBE2D3. In cooperation with TAX1BP1 promotes ubiquitination of UBE2N and proteasomal degradation of UBE2N and UBE2D3. Upon TNF stimulation, deubiquitinates 'Lys-63'-polyubiquitin chains on RIPK1 and catalyzes the formation of 'Lys-48'-polyubiquitin chains. This leads to RIPK1 proteasomal degradation and consequently termination of the TNF- or LPS-mediated activation of NF-kappa-B. Deubiquitinates TRAF6 probably acting on 'Lys-63'-linked polyubiquitin. Upon T-cell receptor (TCR)-mediated T-cell activation, deubiquitinates 'Lys-63'-polyubiquitin chains on MALT1 thereby mediating disassociation of the CBM (CARD11:BCL10:MALT1) and IKK complexes and preventing sustained IKK activation. Deubiquitinates NEMO/IKBKG; the function is facilitated by TNIP1 and leads to inhibition of NF-kappa-B activation. Upon stimulation by bacterial peptidoglycans, probably deubiquitinates RIPK2. Can also inhibit I-kappa-B-kinase (IKK) through a non-catalytic mechanism which involves polyubiquitin; polyubiquitin promotes association with IKBKG and prevents IKK MAP3K7-mediated phosphorylation. Targets TRAF2 for lysosomal degradation. In vitro able to deubiquitinate 'Lys-11', 'Lys-48'- and 'Lys-63' polyubiquitin chains. Inhibitor of programmed cell death. Has a role in the function of the lymphoid system. Required for LPS-induced production of pro-inflammatory cytokines and IFN beta in LPS-tolerized macrophages.

#### **Cellular Location**

Cytoplasm. Nucleus. Lysosome.

#### **A20 Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### **A20 Antibody - Images**

#### **A20 Antibody - Background**

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#### **A20 Antibody - References**

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Ota T., et al. Nat. Genet. 36:40-45(2004).  
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Mural R.J., et al. Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.  
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