OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for TA336834

TNFAIP3 Mouse Monoclonal Antibody [Clone ID: 59A426]

Product data:

Product Type:	Primary Antibodies
Clone Name:	59A426
Applications:	CyTOF-ready, FC, ICC/IF, IHC, IP, Simple Western, WB
Recommended Dilution:	Flow Cytometry: 2.5 ug/ml, Immunohistochemistry-Paraffin: 5 - 10 ug/ml, Flow (Intracellular): 2.5 ug/ml, Western Blot: 2-4 ug/ml, Immunoprecipitation: 1-2 ug/ml, Immunocytochemistry/ Immunofluorescence: 10 ug/ml, Immunohistochemistry: 5 - 10 ug/ml, Simple Western: 1:100, CyTOF-ready
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1, kappa
Clonality:	Monoclonal
Immunogen:	Full length recombinant human A20. The epitope has been mapped to the C-terminal portion of A20 (amino acids 440-790)
Formulation:	PBS containing 0.05% BSA, 0.05% Sodium Azide. Store at -20C. Avoid freeze-thaw cycles.
Concentration:	lot specific
Purification:	Protein G purified
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:	NP_006281 Entrez Gene 21929 MouseEntrez Gene 683206 RatEntrez Gene 7128 Human P21580
Background:	A20 (TNFAIP3) is an important regulator of proinflammatory signaling pathways, including NK-kB sginaling. A20 is upregulated through NF-kB (p50/p55) activation, and subsequently down regulates NF-kB through its dual function as a deubiquitinase and ubiquitin ligase (Evans, 2005). The A20 monoclonal antibody (clone 59A426) has been instrumental in discovering various nuances of NF-kB regulation and key to defining A20 biology.

View online »

Synonyms: A20; OTUD7C; TNFA1P2

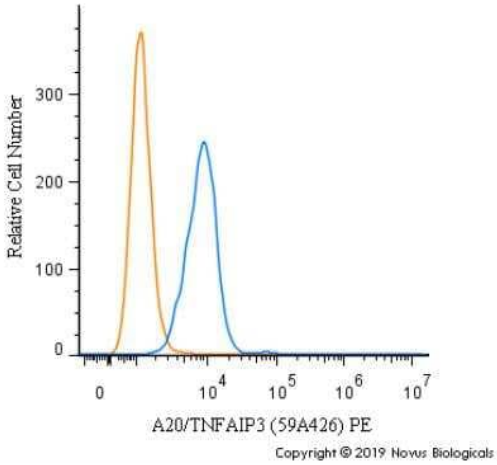
Note: The A20 antibody (clone 59A426) has also been used in Immunohistochemistry-Paraffin (Metellus, 2010) and Flow Cytometry (intracellular) (Hjelmeland, 2010). Multiple A20 cleavage fragments have been described in Western Blot, see Coornaert (2008) and Hailfinger (2009) for additional details.

Protein Families: Druggable Genome

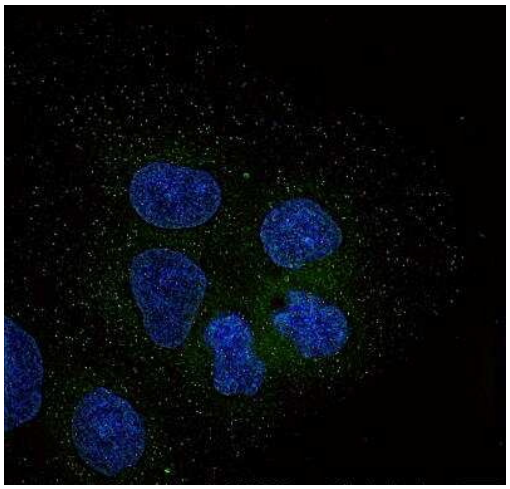
Protein Pathways: NOD-like receptor signaling pathway

Product images:

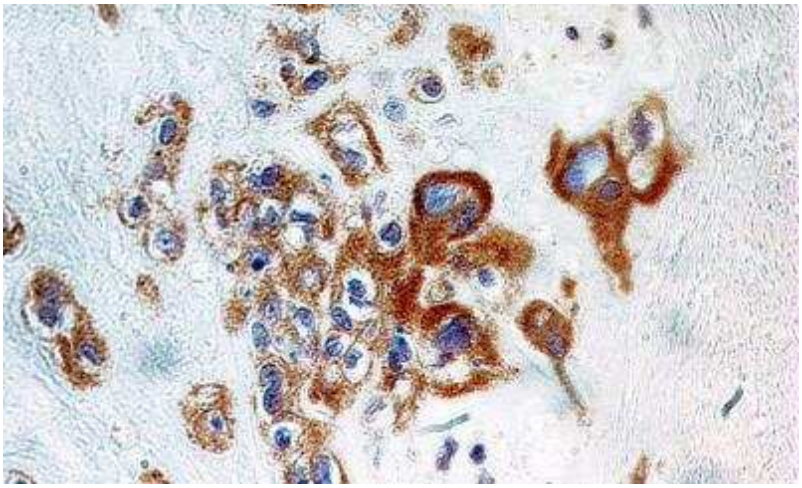
Simple Western: A20/TNFAIP3 Antibody (59A426) TA336834 - Lane view shows a specific band for A20/TNFAIP3 in 0.05 mg/ml of Jurkat lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system.



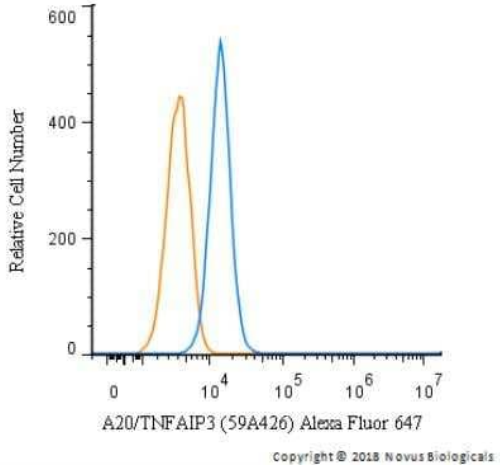
Flow Cytometry: A20/TNFAIP3 Antibody (59A426) TA336834 - An intracellular stain was performed on RH-30 cells with A20/TNFAIP3 Antibody (59A426) TA336834PE (blue) and a matched isotype control (orange). Cells were fixed with 4% PFA and then permeablized with 0.1% saponin. Cells were incubated in an antibody dilution of 2.5 ug/mL for 30 minutes at room temperature. Both antibodies were conjugated to Phycoerythrin.



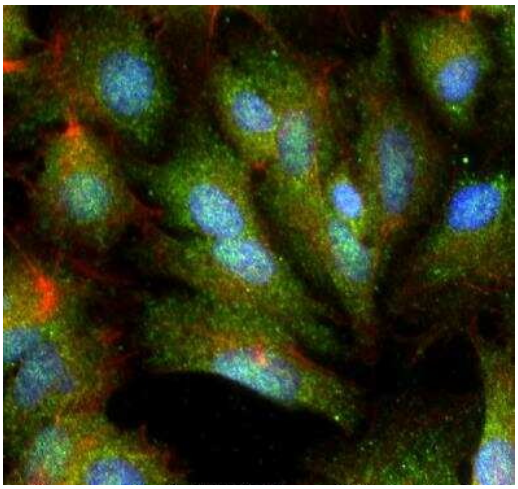
Immunocytochemistry/Immunofluorescence: A20/TNFAIP3 Antibody (59A426) TA336834 - Caco-2 cells were fixed in 4% paraformaldehyde for 10 minutes and permeabilized in 0.05% Triton X-100 in PBS for 5 minutes. The cells were incubated with anti-A20/TNFAIP3 Antibody [59A426] TA336834 at 2 ug/ml overnight at 4C and detected with an anti-mouse Dylight 488 (Green) at a 1:1000 dilution for 60 minutes. Nuclei were counterstained with DAPI (Blue). Cells were imaged using a 100X objective and digitally deconvolved.



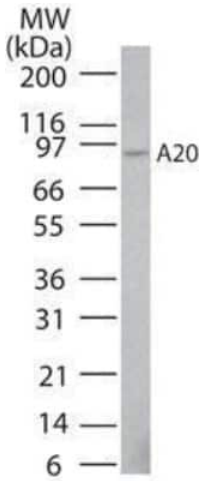
Immunohistochemistry-Paraffin: A20/TNFAIP3 Antibody (59A426) TA336834 - Human placenta probed with A20 antibody at 5 ug/ml, cytoplasmic staining of decidual cells is observed. Human tissue TMA was used for this test. Staining of formalin-fixed tissues is enhanced by boiling tissue sections in 10 mM sodium citrate buffer, pH 6.0 for 10-20 min followed by cooling at RT for 20 min.



Flow Cytometry: A20/TNFAIP3 Antibody (59A426) TA336834 - An intracellular stain was performed on SK-MEL-28 cells with A20/TNFAIP3 (59A426) antibody TA336834AF647 (blue) and a matched isotype control (orange). Cells were fixed with 4% PFA and then permeablized with 0.1% saponin. Cells were incubated in an antibody dilution of 2.5 ug/mL for 30 minutes at room temperature. Both antibodies were conjugated to Alexa Fluor 647.



Immunocytochemistry/Immunofluorescence: A20/TNFAIP3 Antibody (59A426) TA336834 - HepG2 cells were fixed for 10 minutes using 10% formalin and then permeabilized for 5 minutes using 1X PBS + 0.05% Triton-X100. The cells were incubated with anti-A20/TNFAIP3 (59A426) at 10 ug/ml overnight at 4C and detected with an anti-mouse Dylight 488 (Green) at a 1:500 dilution. Actin was detected with Phalloidin 568 (Red) at a 1:200 dilution. Nuclei were counterstained with DAPI (Blue). Cells were imaged using a 40X objective



Western Blot: A20/TNFAIP3 Antibody (59A426) TA336834 - Human Jurkat lysate probed with A20 antibody at 4 ug/ml.