

Product Datasheet

TNFAIP3 Antibody **NBP1-77533SS**

Unit Size: 0.025 mg

Store at -20C. Avoid freeze-thaw cycles.

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NBP1-77533SS

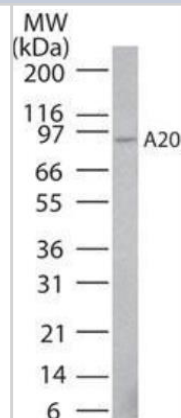
TNFAIP3 Antibody (59A426)

Product Information	
Unit Size	0.025 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	59A426
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
Purity	Protein G purified
Buffer	PBS containing 0.05% BSA
Product Description	
Host	Mouse
Gene ID	7128
Gene Symbol	TNFAIP3
Species	Human, Mouse, Rat
Species Reactivity	Human, Mouse, Rat
Immunogen	Full length recombinant human A20. The epitope has been mapped to the C-terminal portion of A20 (amino acids 440-790)
Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Flow Cytometry 1:10-1:1000, Immunocytochemistry/Immunofluorescence 1:10-1:500, Immunohistochemistry-Paraffin 1:10-1:500, Immunoprecipitation 1-2 ug/ml, Western Blot 2-4 ug/ml
Application Notes	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.



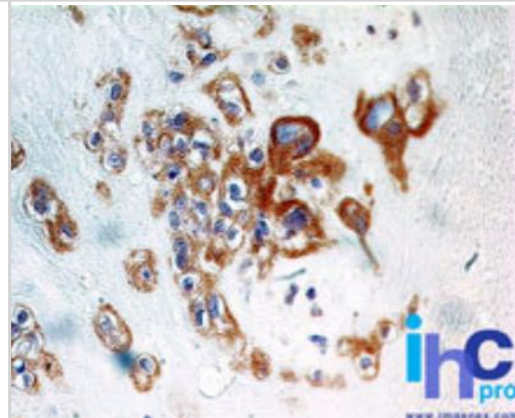
Images

Western Blot: TNFAIP3 Antibody (59A426) [NBP1-77533] - Human Jurkat lysate probed with A20 antibody at 4 ug/ml.

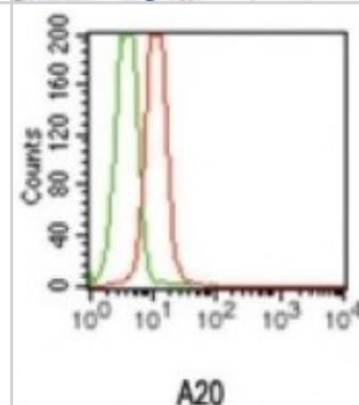


Immunohistochemistry-Paraffin: TNFAIP3 Antibody (59A426) [NBP1-77533] - Formalin-fixed, paraffin-embedded human placenta probed with A20 antibody at 5 ug/ml, cytoplasmic staining of decidual cells is observed. Human tissue TMA was used for this test.

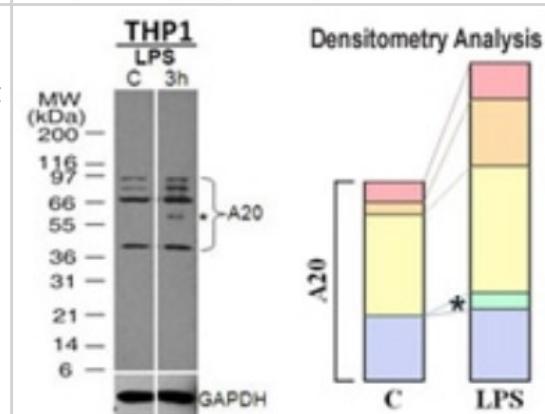
Staining of formalin-fixed tissues is enhanced by boiling tissue sections in 10 mM sodium citrate buffer, pH 6.0 for 10-20 min followed by cooling at RT for 20 min.



Flow Cytometry: TNFAIP3 Antibody (59A426) [NBP1-77533] - Intracellular flow cytometric analysis of A20 in ThP-1 cells using A20 antibody (red) and isotype control (green) at 0.5 ug/ml



Western Blot: TNFAIP3 Antibody (59A426) [NBP1-77533] - analysis of A20 using mAb 59A426. A20 migrated as a stack of bands and LPS treatment (200 ng,) induced a ~58 kDa putative A20 cleavage band* not seen in the untreated control (C) THP1 cells. A20 cleavage fragments have often been described to accompany NF-kB activation (see Product Citations). Although the significance of the cleavage fragments remains to be fully elucidated, they perk interest because cleavage fragments often have key roles in signaling pathways. Densitometry analysis performed by Shayna Stein in ImageJ.



Publications

De A, Dainichi T, Rathinam CV, Ghosh S. The deubiquitinase activity of A20 is dispensable for NF-kB signaling. *EMBO Rep.* 2014 May 30 [PMID: 24878851] (WB, Mouse)

Frenzel LP, Claus R, Plume N et al. Sustained NF-kappaB activity in chronic lymphocytic leukemia is independent of genetic and epigenetic alterations in the TNFAIP3 (A20) locus. *Int J Cancer.* 2011 May 15 [PMID: 20669229]

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Honma K, Tsuzuki S, Nakagawa M et al. TNFAIP3/A20 functions as a novel tumor suppressor gene in several subtypes of non-Hodgkin lymphomas. *Blood.* 2009 Sep 17 [PMID: 19608751]

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Li L, Soetandyo N, Wang Q, Ye Y. The zinc finger protein A20 targets TRAF2 to the lysosomes for degradation. *Biochim Biophys Acta.* 2009 Feb [PMID: 18952128]

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Kupfner JG, Arcaroli JJ, Yum HK et al. Role of NF-kappaB in endotoxemia-induced alterations of lung neutrophil apoptosis. *J Immunol.* 2001 Dec 15 [PMID: 11739525]

Yokota S, Okabayashi T, Yokosawa N, Fujii N. Measles virus P protein suppresses Toll-like receptor signal through up-regulation of ubiquitin-modifying enzyme A20. *FASEB J.* 2008 Jan [PMID: 17720800]

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Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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