Product Datasheet

A20/TNFAIP3 Antibody (59A426)
NBP1-77533

Unit Size: 0.1 mg
Store at -20C. Avoid freeze-thaw cycles.

Publications: 38

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## NBP1-77533  
### A20/TNFAIP3 Antibody (59A426)

### Product Information

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Unit Size</strong></td>
<td>0.1 mg</td>
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<tr>
<td><strong>Concentration</strong></td>
<td>1.0 mg/ml</td>
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<tr>
<td><strong>Storage</strong></td>
<td>Store at -20C. Avoid freeze-thaw cycles.</td>
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<tr>
<td><strong>Clonality</strong></td>
<td>Monoclonal</td>
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<tr>
<td><strong>Clone</strong></td>
<td>59A426</td>
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<tr>
<td><strong>Preservative</strong></td>
<td>0.05% Sodium Azide</td>
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<tr>
<td><strong>Isotype</strong></td>
<td>IgG1 Kappa</td>
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<tr>
<td><strong>Purity</strong></td>
<td>Protein G purified</td>
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<tr>
<td><strong>Buffer</strong></td>
<td>PBS</td>
</tr>
</tbody>
</table>

### Product Description

- **Host**: Mouse
- **Gene ID**: 7128
- **Gene Symbol**: TNFAIP3
- **Species**: 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, Simple Western, Flow Cytometry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry-Paraffin, Immunoprecipitation, CyTOF-ready
- **Recommended Dilutions**: Western Blot 2-4 μg/ml, Simple Western 1:100, Flow Cytometry 1:20-1:2000, Immunocytochemistry/Immunofluorescence 1:10-1:500, Immunoprecipitation 1-2 μg/ml, Immunohistochemistry-Paraffin 1:10-1:500, CyTOF-ready
- **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.

    In Simple Western only 10 - 15 μL of the recommended dilution is used per data point. Separated by Size-Wes, Sally Sue/Peggy Sue.

### Images

Western Blot: A20/TNFAIP3 Antibody (59A426) [NBP1-77533] - Human Jurkat lysate probed with A20 antibody at 4 μg/ml.
Immunohistochemistry-Paraffin: A20/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: A20/TNFAIP3 Antibody (59A426) [NBP1-77533] - An intracellular stain was performed on Daudi cells with A20/TNFAIP3 (59A426) antibody NBP1-77533AF488 (blue) and a matched isotype control NBP2-27287AF488 (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 5 ug/mL for 30 minutes at room temperature. Both antibodies were conjugated to Alexa Fluor 488.

Western Blot: A20/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.

Flow Cytometry: A20/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
Flow Cytometry: A20/TNFAIP3 Antibody (59A426) [NBP1-77533] - Analysis of PE conjugate of NBP1-77533. An intracellular stain was performed on Jurkat cells with A20/TNFAIP3 antibody (59A426) NBP1-77533PE (blue) and a matched isotype control NBP2-27287PE (orange). Cells were fixed with 4% PFA and then permeablized wit

Simple Western: A20/TNFAIP3 Antibody (59A426) [NBP1-77533] - Simple Western 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.
Publications


Details:
A20 antibody used for WB on lysates of bone marrow-derived dendritic cells (BMDCs) isolated from CD11c-Cre A20fl/fl and A20fl/fl control mice (Figure 1A).


Details:
Primary mouse bone marrow derived macrophages, WB: Figs 1C, 5B, 5D; IP: S9. For IP, the immunoprecipitated A20 was was used in an in vitro deubiquitinase (DUB) assay (S9). Notes: TNFa and LPS treatment upregulated A20 expression (Fig 1C). The A20 mAb reco


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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