Product Datasheet

iNOS Antibody
NB300-605

Unit Size: 200uL

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

Reviews: 2  Publications: 28

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Updated 8/6/2018 v.20.1

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### Product Information

<table>
<thead>
<tr>
<th>Feature</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unit Size</td>
<td>200uL</td>
</tr>
<tr>
<td>Concentration</td>
<td>0.5 mg/ml</td>
</tr>
<tr>
<td>Storage</td>
<td>Store at -20C. Avoid freeze-thaw cycles.</td>
</tr>
<tr>
<td>Clonality</td>
<td>Polyclonal</td>
</tr>
<tr>
<td>Preservative</td>
<td>0.05% Sodium Azide</td>
</tr>
<tr>
<td>Isotype</td>
<td>IgG</td>
</tr>
<tr>
<td>Purity</td>
<td>Affinity purified</td>
</tr>
<tr>
<td>Buffer</td>
<td>TBS</td>
</tr>
</tbody>
</table>

### Product Description

**Host** | Rabbit  
**Gene ID** | 4843  
**Gene Symbol** | NOS2  
**Species** | Human, Mouse, Rat  
**Specificity/Sensitivity** | This detects iNOS. It does not detect other NOS isoforms.  
**Immunogen** | Synthetic peptide corresponding to residues D(17) L K E E K D I N N N V K K T (31) of mouse iNOS.  

### Product Application Details

**Applications** | Western Blot, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin  
**Recommended Dilutions** | Western Blot 1:200 - 1:800, Immunohistochemistry 1:20, Immunocytochemistry/Immunofluorescence 1:50, Immunohistochemistry-Paraffin 1:20  
**Application Notes** | WB: Detects an approx. 135 kDa protein representing recombinant human iNOS and human iNOS from cytokine stimulated A549 cells. Also detects purified recombinant mouse iNOS, mouse iNOS from cytokine stimulated RAW 264.7 cells and cytokine stimulated rat fibroblast iNOS. However, the signals are not as strong as those seen with the human samples.  

### Images

Western Blot: iNOS Antibody [NB300-605] - Analysis of iNOS was performed by loading 20ug of RAW264 whole cell lysate untreated (left lane) or stimulated with LPS at 1ug/mL for 16 hours (right lane) and 10ul of PageRuler Plus Prestained Protein Ladder onto a 4-20% Tris-Glycine polyacrylamide gel. Proteins were transferred to a nitrocellulose membrane and blocked with 5% Milk in TBST for at least 1 hour. The membrane was probed with an iNOS Rabbit polyclonal antibody at a dilution of 1:1000 overnight at 4C on a rocking platform, washed in TBST, and probed with a Goat anti-Rabbit IgG (H+L) Secondary Antibody, HRP conjugate at a dilution of 1:1000 for 1 hour. Chemiluminescent detection was performed using SuperSignal West Pico.
Western Blot: iNOS Antibody [NB300-605] - iNOS in stimulated astrocytes. Image from verified customer review.

Immunocytochemistry/Immunofluorescence: iNOS Antibody [NB300-605] - Analysis of iNOS in A549 Cells. Cells were grown on chamber slides and fixed with formaldehyde prior to staining. Cells were probed without (control) or with an iNOS polyclonal antibody at a dilution of 1:20 overnight at 4C, washed with PBS and incubated with a DyLight-488 conjugated secondary antibody. iNOS staining (green), F-Actin staining with Phalloidin (red) and nuclei with DAPI (blue) is shown.

Immunohistochemistry-Paraffin: iNOS Antibody [NB300-605] - Immunohistochemistry was performed on normal deparaffinized human Lung tissue.

Immunohistochemistry-Paraffin: iNOS Antibody [NB300-605] - Immunohistochemistry was performed on normal deparaffinized human Heart tissue.
Immunocytochemistry/Immunofluorescence: iNOS Antibody [NB300-605] - Analysis of iNOS in NIH-3T3 Cells. Cells were grown on chamber slides and fixed with formaldehyde prior to staining. Cells were probed without (control) or with a iNOS polyclonal antibody at a dilution of 1:20 overnight at 4C, washed with PBS and incubated with a DyLight-488 conjugated secondary antibody. iNOS staining (green), F-Actin staining with Phalloidin (red) and nuclei with DAPI (blue) is shown.

Publications


Moriwaki K, Asahi M. Augmented TME O-GlcNAcylation Promotes Tumor Proliferation through the Inhibition of p38 MAPK. Mol. Cancer Res. May 23 2017 12:00AM [PMID: 28536142] (WB, Mouse)


Ridiandries A, Tan JT, Ravindran D et al. CC-chemokine class inhibition attenuates pathological angiogenesis while preserving physiological angiogenesis. FASEB J. Dec 20 2016 12:00AM [PMID: 27998907]

More publications at http://www.novusbio.com/NB300-605
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.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

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