

## iNOS Monoclonal Antibody

CAB3774

### Description

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This iNOS Monoclonal Antibody is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

### Product Information

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<b>SKU:</b>	CAB3774
<b>Contents:</b>	20 $\mu$ L, 100 $\mu$ L Bradford Reagent: 1 vial (2ml)
<b>Category:</b>	Monoclonal Antibody
<b>Synonyms:</b>	NOS, INOS, NOS2A, HEP-NOS, iNOS
<b>Clone:</b>	ARC0832
<b>Applications:</b>	<span>WB</span> <span>IF/ICC</span> <span>ELISA</span>
<b>Conjugation:</b>	Unconjugated
<b>Reactivity:</b>	Mouse

### Antibody Data

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<b>Gene ID:</b>	4843
<b>Uniprot:</b>	AB_3094627
<b>Host Species:</b>	Rabbit
<b>Purification:</b>	Affinity purification
<b>Observed MW:</b>	131 kDa
<b>Calculated MW:</b>	131 kDa

## Preparation & Storage

**Storage:** Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Store Bradford Reagent at Room Temperature for 1 Year.

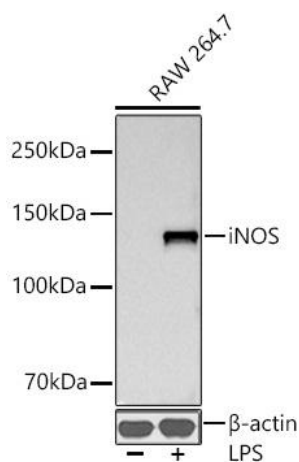
**Positive Sample:** RAW 264.7 treated with LPS, NR8383 treated with LPS

**Recommended Dilutions:**

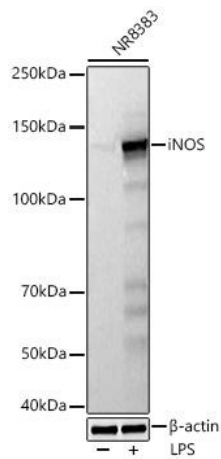
<b>WB</b>	1:1000 - 1:4000
<b>IF/ICC</b>	1:50 - 1:200
<b>ELISA</b>	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

**Protein Quantification (Optional):** To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

## Validation Data



Western blot analysis of lysates from RAW 264.7 cells using iNOS Rabbit mAb (CAB3774) at 1:1000 dilution incubated overnight at 4°C. Raw264.7 cells were treated with LPS (1 µg/ml) at 37°C for 8 hours. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 30 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 30 s.



Western blot analysis of lysates from cells using iNOS Rabbit mAb (CAB3774) at 1:1000 dilution incubated at room temperature for 1.5 hours. cells were treated with LPS (1 ug/mL) for 8 hours. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 30 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 5 s.