

**Product Name: NOS2 Mouse Monoclonal Antibody**  
**Catalog #: AMM81135**



## Summary

<b>Production Name</b>	NOS2 Mouse Monoclonal Antibody
<b>Description</b>	Mouse Monoclonal Antibody
<b>Host</b>	Mouse
<b>Application</b>	WB,IHC,FC,ELISA
<b>Reactivity</b>	Human,Mouse,Rat,Monkey

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	Mouse IgG1
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Buffer</b>	Purified antibody in PBS with 0.05% sodium azide
<b>Purification</b>	Affinity Purification

## Immunogen

<b>Gene Name</b>	NOS2
<b>Alternative Names</b>	NOS; INOS; NOS2A; HEP-NOS
<b>Gene ID</b>	4843.0
<b>SwissProt ID</b>	P35228.Purified recombinant fragment of human NOS2 expressed in E. Coli.

## Application

<b>Dilution Ratio</b>	WB:1:500-1:2000,IHC:1:200-1:1000,FC:1:200-1:400,ELISA:1:10000
<b>Molecular Weight</b>	131kDa

## Background

Nitric oxide is a reactive free radical which acts as a biologic mediator in several processes, including neurotransmission

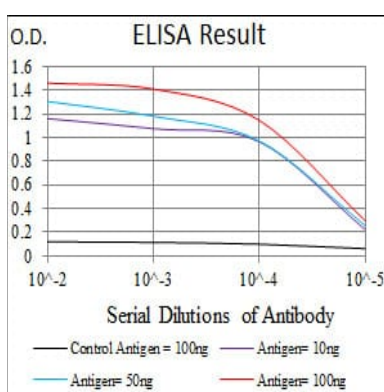
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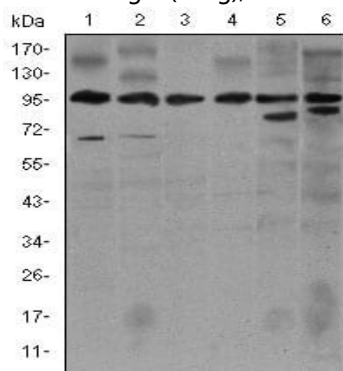
and antimicrobial and antitumoral activities. This gene encodes a nitric oxide synthase which is expressed in liver and is inducible by a combination of lipopolysaccharide and certain cytokines. Three related pseudogenes are located within the Smith-Magenis syndrome region on chromosome 17.

## Research Area

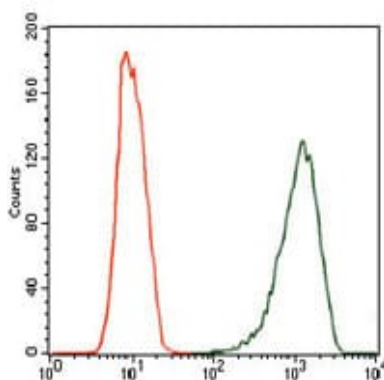
## Image Data



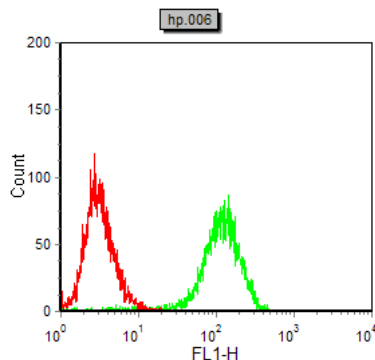
Black line: Control Antigen (100 ng); Purple line: Antigen(10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng);



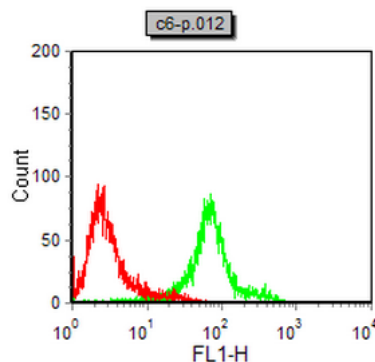
Western blot analysis using NOS2 mouse mAb against Jurkat (1), Jurkat (2), A549 (3), HeLa (4), NIH3T3 (5) and MCF-7 (6) cell lysate.



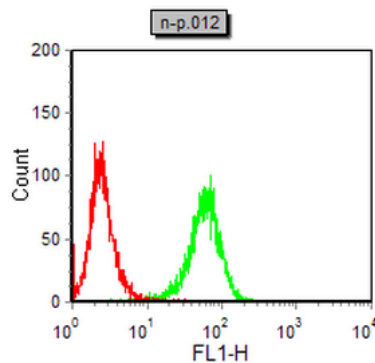
Flow cytometric analysis of MCF-7 cells using NOS2 mouse mAb (green) and negative control (red).



Flow cytometric analysis of Hela cells using NOS2 mouse mAb (green) and negative control (red).

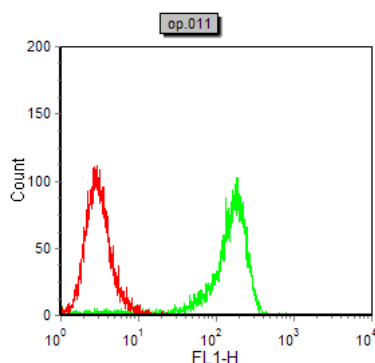


Flow cytometric analysis of C6 cells using NOS2 mouse mAb (green) and negative control (red).

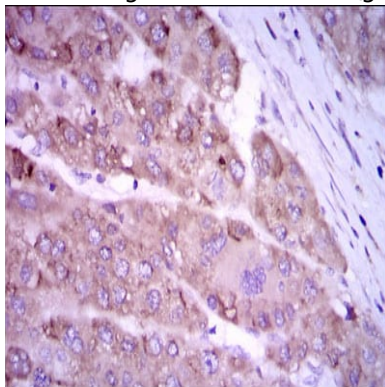


Flow cytometric analysis of NIH/3T3 cells using NOS2 mouse mAb (green) and negative control (red).

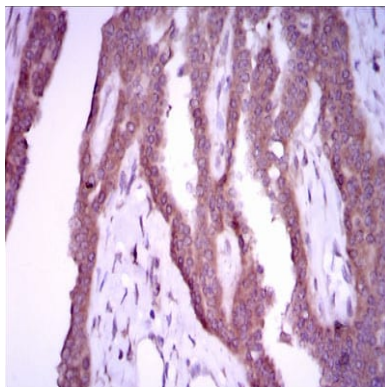
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Flow cytometric analysis of COS7 cells using NOS2 mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissues using NOS2 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissues using NOS2 mouse mAb with DAB staining.

## Note

For research use only.