

## NOS2 Polyclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-AP06109
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Size</b>	20ul, 50ul, 100ul
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human iNOS. AA range:117-166
<b>Mol wt</b>	131117
<b>Species reactivity</b>	Human, Mouse, Rat
<b>Clonality</b>	Polyclonal
<b>Recommended application</b>	IF, WB, IHC-p, ELISA
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	NOS2 Antibody
<b>Synonyms</b>	NOS2; NOS2A; Nitric oxide synthase; inducible; Hepatocyte NOS; HEP-NOS; Inducible NO synthase; Inducible NOS; iNOS; NOS type II; Peptidyl-cysteine S-nitrosylase NOS2

**This product is for research use only, not for use in human, therapeutic or diagnostic procedure.**

### Background

Nitric oxide is a reactive free radical which acts as a biologic mediator in several processes, including neurotransmission and antimicrobial and antitumoral activities. NOS2 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.

### Recommended Dilution

WB: 1: 500 - 2000

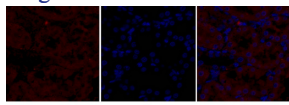
ELISA: 1: 10000 - 20000

IHC: 1: 50 - 300

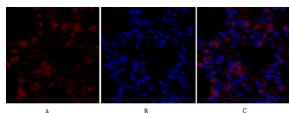
IF: 1: 50 - 200

Not yet tested in other applications.

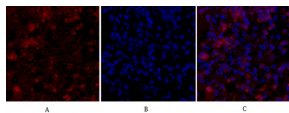
### Images



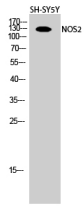
Immunofluorescence analysis of rat-kidney tissue. 1, NOS2 Polyclonal Antibody (red) was diluted at 1:200 (4°C, overnight). 2, Cy3 labeled Secondary antibody was diluted at 1:300 (room temperature, 50 min). 3, Picture B: DAPI (blue) 10 min. Picture A: Target. Picture B: DAPI. Picture C: merge of A+B



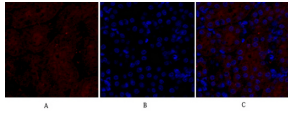
Immunofluorescence analysis of mouse-lung tissue. 1, NOS2 Polyclonal Antibody (red) was diluted at 1:200 (4°C, overnight). 2, Cy3 labeled Secondary antibody was diluted at 1:300 (room temperature, 50 min). 3, Picture B: DAPI (blue) 10 min. Picture A: Target. Picture B: DAPI. Picture C: merge of A+B



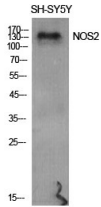
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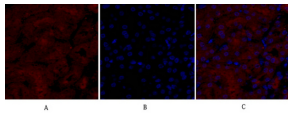
Western Blot analysis of SH-SY5Y cells using NOS2 Polyclonal Antibody diluted at 1:500



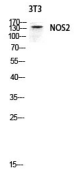
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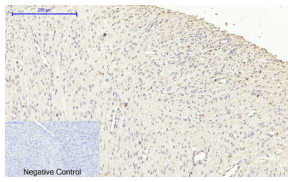
Western Blot analysis of various cells using NOS2 Polyclonal Antibody diluted at 1:500



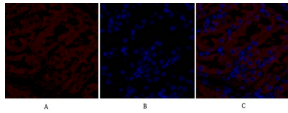
Immunofluorescence analysis of mouse-kidney tissue. 1, NOS2 Polyclonal Antibody (red) was diluted at 1:200 (4°C, overnight). 2, Cy3 labeled Secondary antibody was diluted at 1:300 (room temperature, 50 min). 3, Picture B: DAPI (blue) 10 min. Picture A: Target. Picture B: DAPI. Picture C: merge of A+B



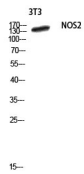
Western blot analysis of 3T3 lysis using NOS2 antibody. Antibody was diluted at 1:500



Immunohistochemical analysis of paraffin-embedded Human-uterus-cancer tissue. 1, NOS2 Polyclonal Antibody was diluted at 1:200 (4°C, overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval (>98°C, 20 min). 3, Secondary antibody was diluted at 1:200 (room temperature, 30 min). Negative control was used by secondary antibody only.



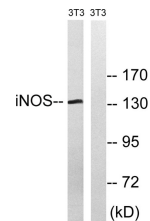
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Western blot analysis of 3T3 lysis using NOS2 antibody. Antibody was diluted at 1:500



Western blot analysis of 3T3 lysis using NOS2 antibody. Antibody was diluted at 1:500



Western blot analysis of lysates from NIH/3T3 cells, using iNOS Antibody. The lane on the right is blocked with the synthesized peptide.

## Storage

-20°C for one year

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