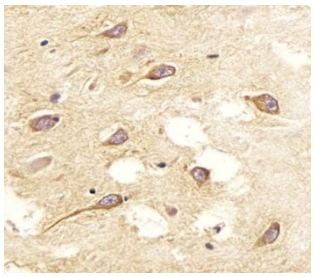
NOS2 Antibody / iNOS (F54232)

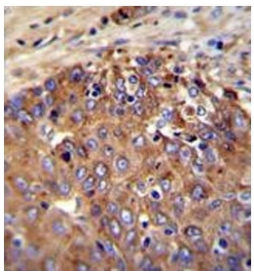
Catalog No.	Formulation	Size
F54232-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54232-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

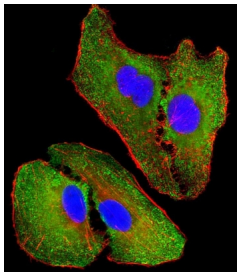
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity purified
UniProt	P35228
Gene ID	4843
Localization	Cytoplasmic
Applications	Western blot: 1:1000-1:2000 Immunohistochemistry (FFPE): 1:25-1:50 Flow cytometry: 1:25 (1x10e6 cells) Immunofluorescence: 1:25
Limitations	This NOS2 antibody is available for research use only.



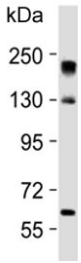
IHC testing of FFPE human brain tissue with NOS2 antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



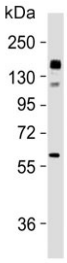
IHC testing of FFPE human hepatocarcinoma with NOS2 antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



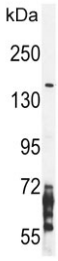
Immunofluorescent staining of fixed and permeabilized human A549 cells with NOS2 antibody (green), DAPI nuclear stain (blue) and anti-Actin (red).



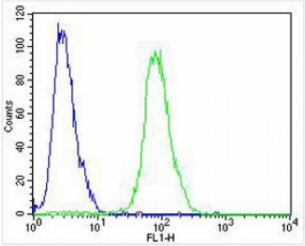
Western blot testing of human Y79 cell lysate with NOS2 antibody. Predicted molecular weight ~130 kDa.



Western blot testing of human A549 cell lysate with NOS2 antibody. Predicted molecular weight ~130 kDa.



Western blot testing of human CEM cell lysate with NOS2 antibody. Predicted molecular weight ~130 kDa.



Flow cytometry testing of fixed and permeabilized human Jurkat cells with NOS2 antibody; Blue=isotype control, Green= NOS2 antibody.

Description

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

Application Notes

The stated application concentrations are suggested starting points. Titration of the NOS2A antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 830-860 from the human protein were used as the immunogen for the NOS2 antibody.

Storage

Aliquot the NOS2 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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