

## **NOS3 Polyclonal Antibody**

**Catalog # AP71356** 

## **Specification**

### **NOS3 Polyclonal Antibody - Product Information**

Application WB, IHC-P, IF Primary Accession P29474

Reactivity Human, Mouse, Rat

Host Rabbit Clonality Polyclonal

# **NOS3 Polyclonal Antibody - Additional Information**

#### **Gene ID 4846**

#### **Other Names**

NOS3; Nitric oxide synthase; endothelial; Constitutive NOS; cNOS; EC-NOS; Endothelial NOS; eNOS; NOS type III; NOSIII

#### **Dilution**

WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/40000. Not yet tested in other applications. IHC-P~~N/A

IF~~1:50~200

#### **Format**

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

# **Storage Conditions**

-20°C

## **NOS3 Polyclonal Antibody - Protein Information**

## Name NOS3 (HGNC:7876)

#### **Function**

Produces nitric oxide (NO) which is implicated in vascular smooth muscle relaxation through a cGMP-mediated signal transduction pathway (PubMed:<a

href="http://www.uniprot.org/citations/1378832" target="\_blank">1378832</a>). NO mediates vascular endothelial growth factor (VEGF)-induced angiogenesis in coronary vessels and promotes blood clotting through the activation of platelets.

#### **Cellular Location**

Cell membrane. Membrane, caveola. Cytoplasm, cytoskeleton. Golgi apparatus. Note=Specifically associates with actin cytoskeleton in the G2 phase of the cell cycle; which is favored by interaction with NOSIP and results in a reduced enzymatic activity

## **Tissue Location**



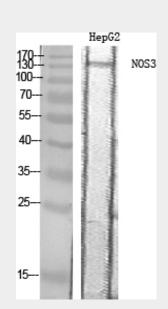
Platelets, placenta, liver and kidney.

# **NOS3 Polyclonal Antibody - Protocols**

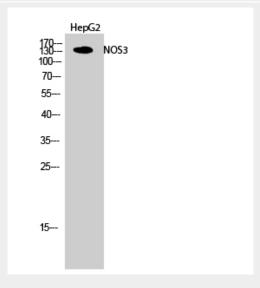
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

# **NOS3 Polyclonal Antibody - Images**

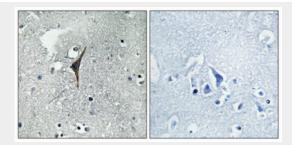


Western Blot analysis of HepG2 cells using NOS3 Polyclonal Antibody



Western Blot analysis of HepG2 cells using NOS3 Polyclonal Antibody





Immunohistochemical analysis of paraffin-embedded Human brain. Antibody was diluted at 1:100(4°,overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negetive contrl (right) obtaned from antibody was pre-absorbed by immunogen peptide.

# **NOS3 Polyclonal Antibody - Background**

Produces nitric oxide (NO) which is implicated in vascular smooth muscle relaxation through a cGMP-mediated signal transduction pathway. NO mediates vascular endothelial growth factor (VEGF)-induced angiogenesis in coronary vessels and promotes blood clotting through the activation of platelets.