

## Summary

<b>Production Name</b>	eNOS Rabbit Polyclonal Antibody
<b>Description</b>	Primary antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IHC-F,IHC-P,ICC/IF,ELISA
<b>Reactivity</b>	Human,Mouse,Rat

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal Antibody
<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>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.
<b>Purification</b>	Affinity Chromatography

## Immunogen

<b>Gene Name</b>	NOS3
<b>Alternative Names</b>	NOS3; Nitric oxide synthase; endothelial; Constitutive NOS; cNOS; EC-NOS; Endothelial NOS; eNOS; NOS type III; NOSIII
<b>Gene ID</b>	4846
<b>SwissProt ID</b>	P29474

## Application

<b>Dilution Ratio</b>	WB: 1/500-1/1000 IHC: 1/50-1/100 IF: 1/50-1/200 ELISA: 1/10000
<b>Molecular Weight</b>	Calculated MW: 133 kDa; Observed MW: 140 kDa

## Background

**Product Name: eNOS Rabbit Polyclonal Antibody**  
**Catalog #: APRab03847**

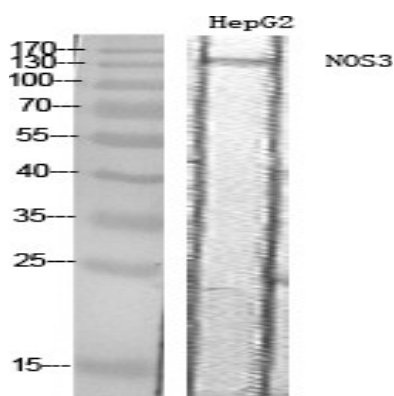


Produces nitric oxide (NO) which is implicated in vascular smooth muscle relaxation through a cGMP-mediated signal transduction pathway. NO mediates vascular endothelial growth factor (VEGF)-induced angiogenesis in coronary vessels and promotes blood clotting through the activation of platelets. Isoform eNOS13C: Lacks eNOS activity, dominant-negative form that may down-regulate eNOS activity by forming heterodimers with isoform 1.

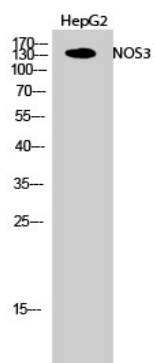
## Research Area

Neuroscience

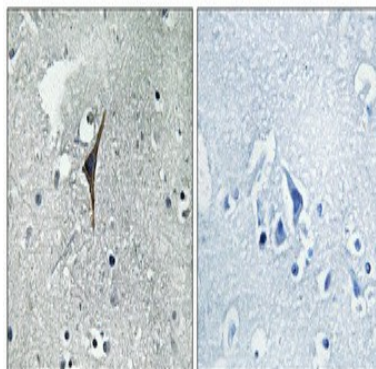
## Image Data



Western blot analysis of eNOS in HepG2 lysates using eNOS antibody.



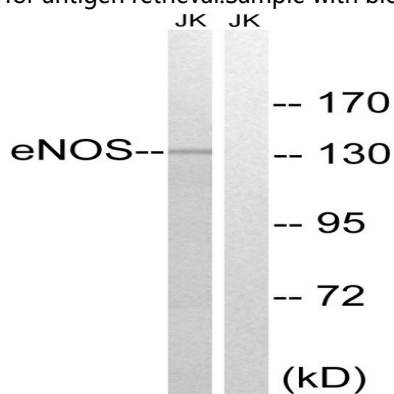
Western blot analysis of eNOS in HepG2 lysates using NOS3 antibody.



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Immunohistochemistry analysis of paraffin-embedded Human brain using eNOS antibody. High-pressure and temperature Tris-EDTA pH 8.0 was used for antigen retrieval. Sample with blocking peptide on the right.



Western blot analysis of eNOS in Jurkat lysates treated with Insulin using eNOS antibody. The lane on the right is blocked with the synthesized peptide.

### **Note**

For research use only.