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

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ICC/IF,ELISA
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% sodium azide, pH 7.3.
Purification	Affinity Chromatography

Application

Dilution Ratio	WB 1:500-1:1000,IHC 1:50-1:100,ICC/IF 1:50-1:200,ELISA 1:5000-1:20000
Molecular Weight	Calculated MW: 133 kDa; Observed MW: 140 kDa

Antigen Information

Gene Name	NOS3
Alternative Names	NOS3; Nitric oxide synthase; endothelial; Constitutive NOS; cNOS; EC-NOS; Endothelial NOS; eNOS; NOS type III; NOSIII
Gene ID	4846
SwissProt ID	P29474
Immunogen	A synthetic peptide corresponding to target protein

Background

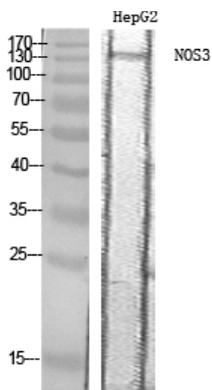
Produces nitric oxide (NO) which is implicated in vascular smooth muscle relaxation through a cGMP-mediated signal

transduction pathway. NO mediates vascular endothelial growth factor (VEGF)-induced angiogenesis in coronary vessels and promotes blood clotting through the activation of platelets. Isoform eNOS13C: Lacks eNOS activity, dominant-negative form that may down-regulate eNOS activity by forming heterodimers with isoform 1.

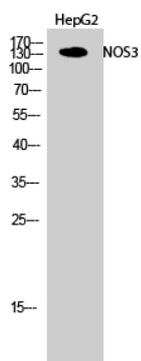
Research Area

Neuroscience

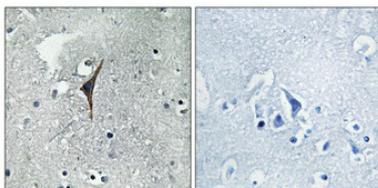
Image Data



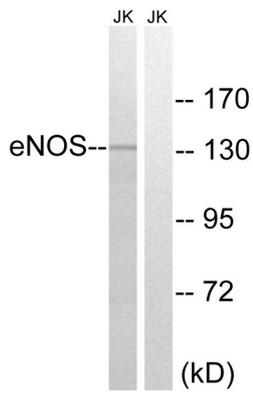
Western blot analysis of eNOS in HepG2 lysates using eNOS antibody.



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



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.