

NOS3 (phospho Thr494) Polyclonal Antibody

Catalog # AP67128

Specification

NOS3 (phospho Thr494) Polyclonal Antibody - Product Information

Application WB
Primary Accession P29474

Reactivity Human, Mouse, Rat

Host Rabbit Clonality Polyclonal

NOS3 (phospho Thr494) 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. ELISA: 1/5000. Not yet tested in other applications.

Format

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

Storage Conditions

-20°C

NOS3 (phospho Thr494) 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:1378832). 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.

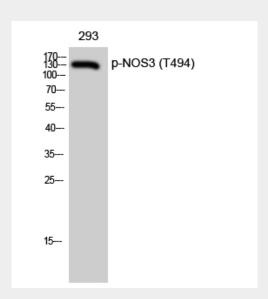


NOS3 (phospho Thr494) Polyclonal Antibody - Protocols

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

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

NOS3 (phospho Thr494) Polyclonal Antibody - Images



Western Blot analysis of 293 cells using Phospho-NOS3 (T494) Polyclonal Antibody diluted at $1 \square 1000$

NOS3 (phospho Thr494) Polyclonal Antibody - Background

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