

Anti-eNOS (pS1179) Antibody

Rabbit polyclonal antibody to eNOS (pS1179) Catalog # AP61083

Specification

Anti-eNOS (pS1179) Antibody - Product Information

Application WB
Primary Accession P29474
Other Accession P70313

Reactivity Human, Mouse, Rat, Pig, Bovine, Dog

Host Rabbit
Clonality Polyclonal
Calculated MW 133275

Anti-eNOS (pS1179) Antibody - Additional Information

Gene ID 4846

Other Names

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

Target/Specificity

Recognizes endogenous levels of eNOS (pS1179) protein.

Dilution

WB~~WB (1/500 - 1/1000)

Format

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage

Store at -20 °C.Stable for 12 months from date of receipt

Anti-eNOS (pS1179) 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

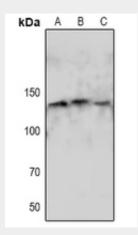
Platelets, placenta, liver and kidney.

Anti-eNOS (pS1179) 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
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

Anti-eNOS (pS1179) Antibody - Images



Western blot analysis of eNOS (pS1179) expression in mouse spleen (A), mouse liver (B), rat spleen (C) whole cell lysates.

Anti-eNOS (pS1179) Antibody - Background

KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human eNOS. The exact sequence is proprietary.