

Anti-eNOS (pS1179) Antibody

Rabbit polyclonal antibody to eNOS (pS1179) Catalog # AP61083

Product Information

ApplicationWBPrimary AccessionP29474Other AccessionP70313

Reactivity Human, Mouse, Rat, Pig, Bovine, Drosophila

HostRabbitClonalityPolyclonalCalculated MW133275

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

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

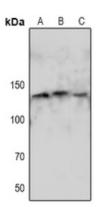
in a reduced enzymatic activity

Tissue Location Platelets, placenta, liver and kidney.

Background

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

Images



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.