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Anti-eNOS (pS615) Antibody

Rabbit polyclonal antibody to eNOS (pS615)
Catalog # AP61082

Product Information

Application	WB
Primary Accession	P29474
Other Accession	P70313
Reactivity	Human, Mouse, Rat, Pig, Bovine, Drosophila
Host	Rabbit
Clonality	Polyclonal
Calculated MW	133275

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 (pS615) 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

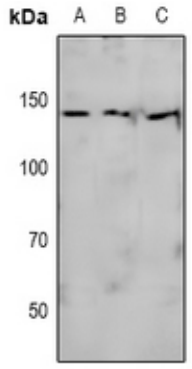
Protein Information

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 center region of human eNOS. The exact sequence is proprietary.

Images



Western blot analysis of eNOS (pS615) expression in K562 (A), mouse spleen (B), rat spleen (C) whole cell lysates.