

**NOS3 (phospho Ser1177) Polyclonal Antibody**  
Catalog # AP67446**Specification****NOS3 (phospho Ser1177) Polyclonal Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">P29474</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal

**NOS3 (phospho Ser1177) 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. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. 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 Ser1177) 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:&lt;a href="http://www.uniprot.org/citations/1378832" target="\_blank"&gt;1378832&lt;/a&gt;). 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**

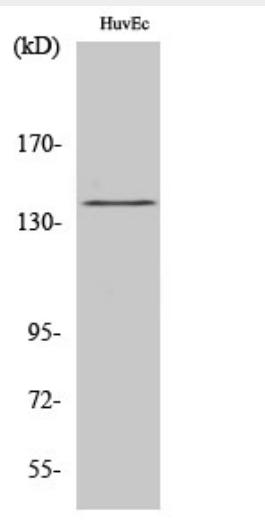
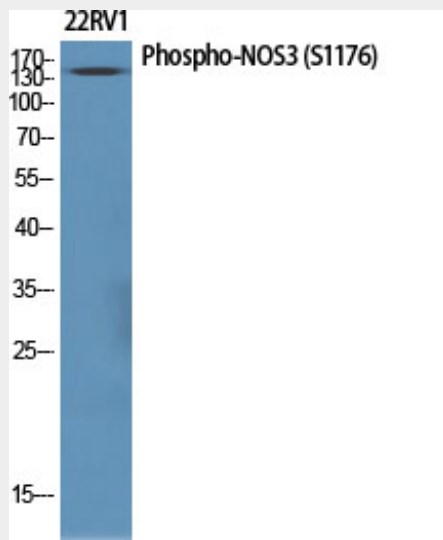
Platelets, placenta, liver and kidney.

## NOS3 (phospho Ser1177) Polyclonal Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## NOS3 (phospho Ser1177) Polyclonal Antibody - Images



## NOS3 (phospho Ser1177) Polyclonal Antibody - 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.