

NOS3 Polyclonal Antibody
Catalog # AP71357**Specification**

NOS3 Polyclonal Antibody - Product Information

Application	WB
Primary Accession	P29474
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal

NOS3 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~~WB 1:500-2000, IF 1:50-300, IHC 1:50-300

Format

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

Storage Conditions

-20°C

NOS3 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](http://www.uniprot.org/citations/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

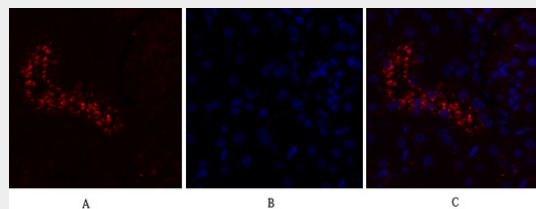
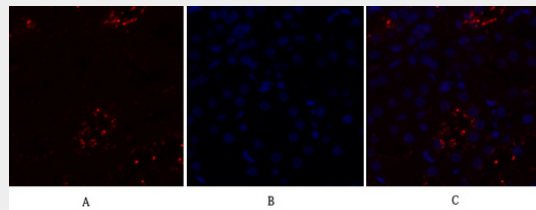
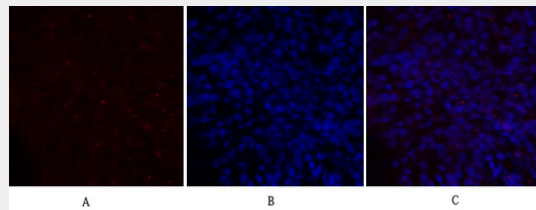
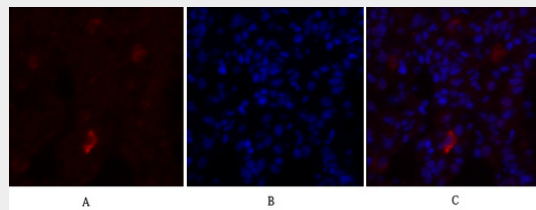
Platelets, placenta, liver and kidney.

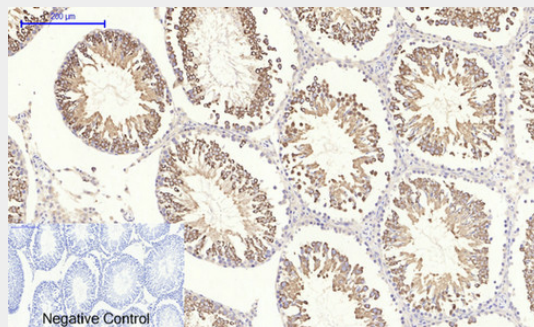
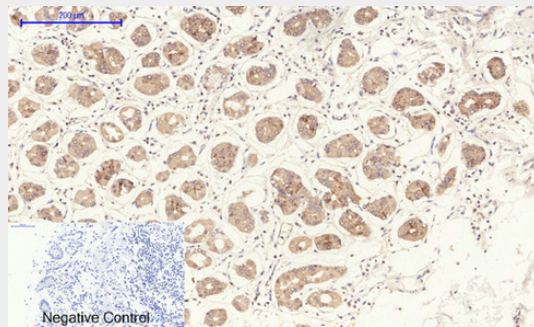
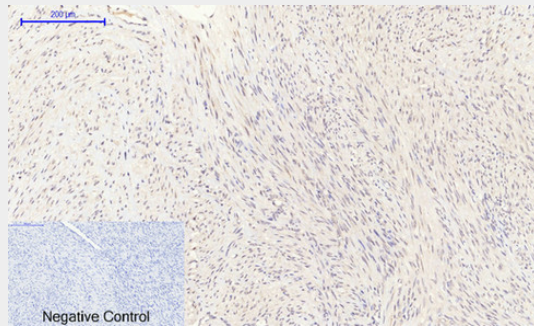
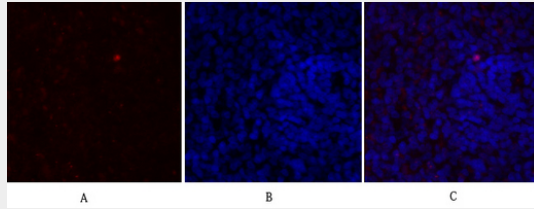
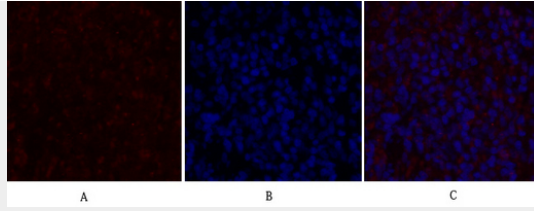
NOS3 Polyclonal Antibody - Protocols

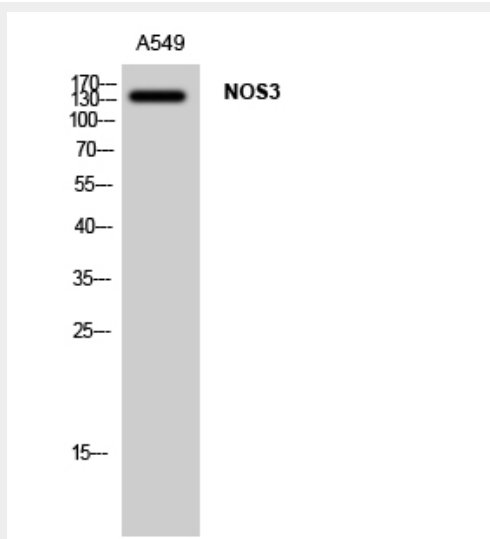
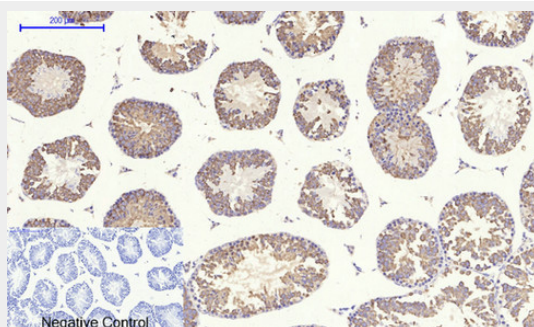
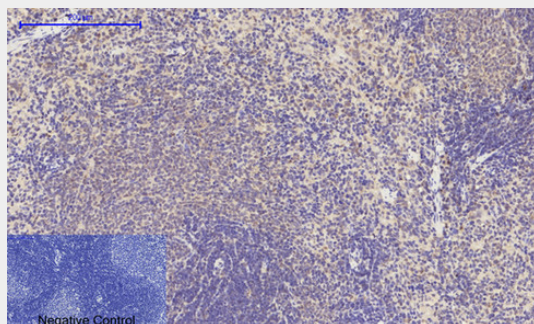
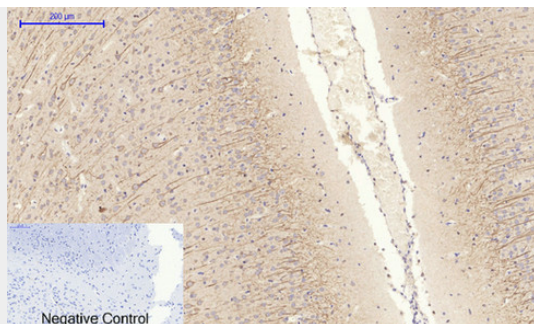
Provided below are standard protocols that you may find useful for product applications.

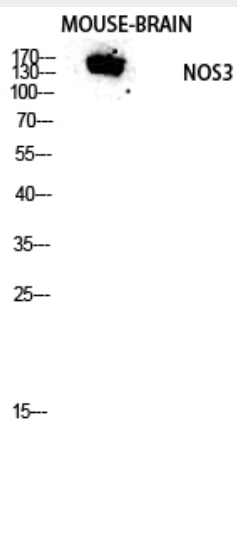
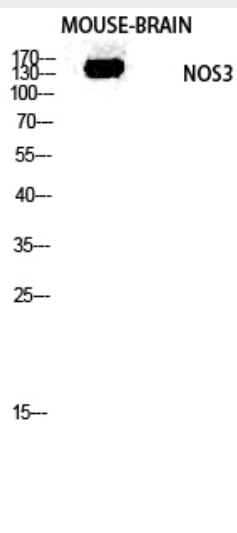
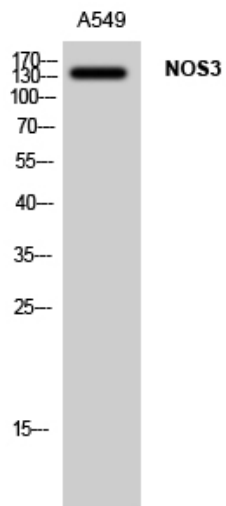
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

NOS3 Polyclonal Antibody - Images









NOS3 Polyclonal Antibody - Background

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