10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

NOS3 / eNOS Antibody (aa1181-1194)

Rabbit Polyclonal Antibody
Catalog # ALS14207

Specification

NOS3 / eNOS Antibody (aa1181-1194) - Product Information

Application	**IHC**
Primary Accession	P29474
Reactivity	**Human, Rabbit, Monkey**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**133kDa KDa**

NOS3 / eNOS Antibody (aa1181-1194) - Additional Information

Gene ID 4846

Other Names
Nitric oxide synthase, endothelial, 1.14.13.39, Constitutive NOS, cNOS, EC-NOS, Endothelial NOS, eNOS, NOS type III, NOSIII, NOS3

Target/Specificity
Recognizes eNOS/NOS III, Mr ~135kD. Species cross-reactivity: Human and bovine. Predicted to cross-react with mouse, guinea pig, porcine, rat and canine based on sequence homology.

Reconstitution & Storage
May be stored at 4°C for short-term only. For long-term storage and to avoid repeated freezing and thawing, aliquot and store at -20°C. Aliquots are stable for at least 12 months at -20°C

Precautions
NOS3 / eNOS Antibody (aa1181-1194) is for research use only and not for use in diagnostic or therapeutic procedures.

NOS3 / eNOS Antibody (aa1181-1194) - 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

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Tissue Location
Platelets, placenta, liver and kidney.

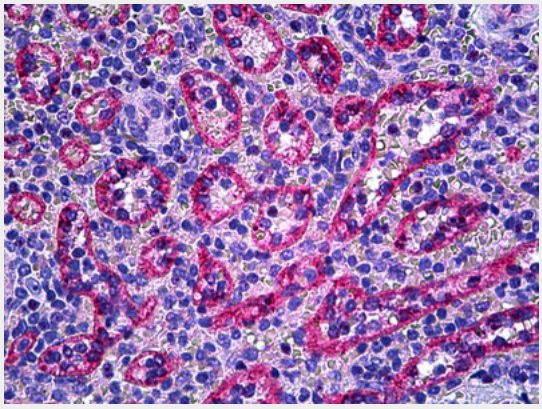
Volume
50 µl

NOS3 / eNOS Antibody (aa1181-1194) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

NOS3 / eNOS Antibody (aa1181-1194) - Images



Anti-ENOS antibody IHC of human spleen.

NOS3 / eNOS Antibody (aa1181-1194) - 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.

NOS3 / eNOS Antibody (aa1181-1194) - References

Janssens S.P.,et al.J. Biol. Chem. 267:14519-14522(1992).
Janssens S.P.,et al.J. Biol. Chem. 267:22694-22694(1992).
Marsden P.A.,et al.FEBS Lett. 307:287-293(1992).
Marsden P.A.,et al.J. Biol. Chem. 268:17478-17488(1993).
Nadaud S.A.,et al.Biochem. Biophys. Res. Commun. 198:1027-1033(1994).