

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](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.

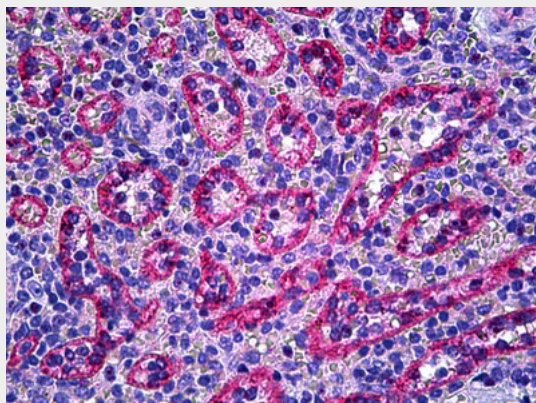
Volume

50 μ l

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 Cytometry](#)
- [Cell Culture](#)

NOS3 / eNOS Antibody (aa1181-1194) - Images

Anti-ENOS antibody IHC of human spleen.

NOS3 / eNOS Antibody (aa1181-1194) - Background

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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).
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