

**NOS3 / eNOS Antibody (aa1181-1194)**  
**Rabbit Polyclonal Antibody**  
**Catalog # ALS14207**

### Specification

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

Application	IHC
Primary Accession	<a href="#">P29474</a>
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.

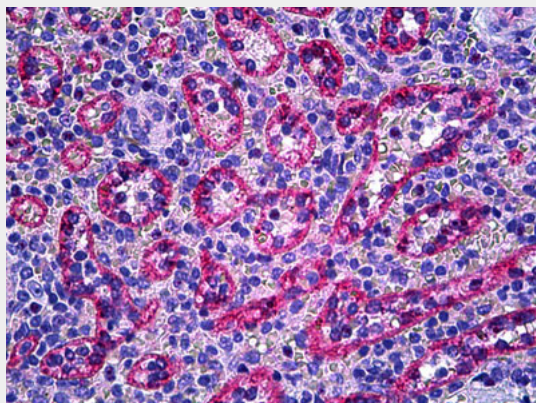
**Volume**

50  $\mu$ 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).  
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Marsden P.A., et al. FEBS Lett. 307:287-293(1992).  
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