

Datasheet for ABIN746468  
**anti-ENOS antibody (pSer1177)**[Go to Product page](#)

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## Overview

Quantity:	100 µL
Target:	ENOS (NOS3)
Binding Specificity:	pSer1177
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ENOS antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

## Product Details

Immunogen:	KLH conjugated synthetic phosphopeptide derived from human eNOS around the phosphorylation site of Ser1177
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Dog,Cow,Sheep,Pig,Rabbit,Guinea Pig
Purification:	Purified by Protein A.

## Target Details

Target:	ENOS (NOS3)
Alternative Name:	eNOS ( <a href="#">NOS3 Products</a> )
Background:	<p>Synonyms: eNOS, ECNOS, Nitric oxide synthase, endothelial, Constitutive NOS, cNOS, EC-NOS, Endothelial NOS, NOS type III, NOSIII, NOS3</p> <p>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. Isoform eNOS13C: Lacks eNOS activity, dominant-negative form that may down-regulate eNOS activity by forming heterodimers with isoform 1.</p>
Gene ID:	4846
UniProt:	<a href="#">P29474</a>
Pathways:	<a href="#">ACE Inhibitor Pathway</a> , <a href="#">Regulation of Systemic Arterial Blood Pressure by Hormones</a> , <a href="#">Cellular Response to Molecule of Bacterial Origin</a> , <a href="#">Myometrial Relaxation and Contraction</a> , <a href="#">Signaling Events mediated by VEGFR1 and VEGFR2</a> , <a href="#">Thromboxane A2 Receptor Signaling</a> , <a href="#">VEGFR1 Specific Signals</a> , <a href="#">VEGF Signaling</a>

## Application Details

Application Notes:	WB 1:300-5000 ELISA 1:500-1000 FCM 1:20-100 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
Restrictions:	For Research Use only

## Handling

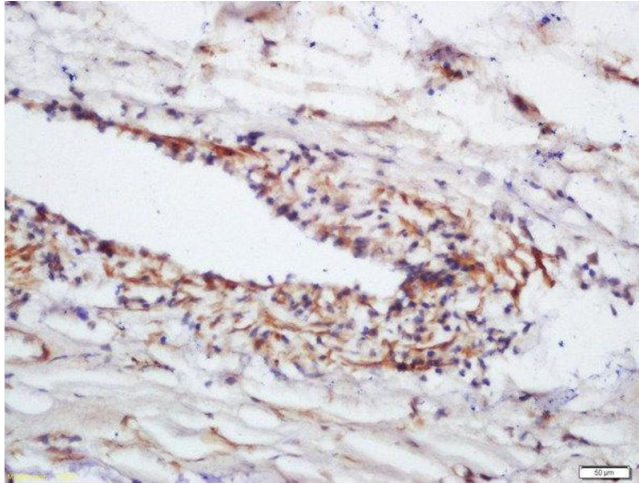
Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

## Handling

Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

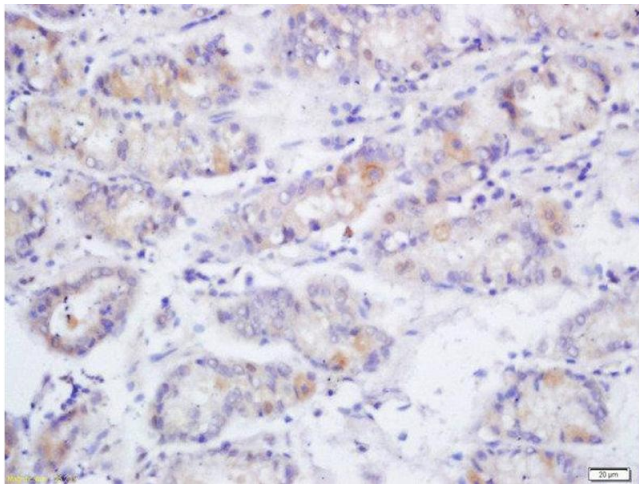
## Publications

Product cited in:	<p>Chen, Tan, Wu, Chai, Yeh, Chou, Chen, Dai: "Statins ameliorate pulmonary hypertension secondary to left ventricular dysfunction through the Rho-kinase pathway and NADPH oxidase." in: <b>Pediatric pulmonology</b>, Vol. 52, Issue 4, pp. 443-457, (2016) (<a href="#">PubMed</a>).</p> <p>Yin, Wan, Li, Jia, Sun, Pan, Wan: "Protective effect of Xin Mai Jia ultrafiltration extract on human umbilical vein endothelial cell injury induced by hydrogen peroxide and the effect on the NO-cGMP signaling pathway." in: <b>Experimental and therapeutic medicine</b>, Vol. 8, Issue 1, pp. 38-48, (2014) (<a href="#">PubMed</a>).</p> <p>Ikemura, Yamamoto, Motomura, Yamaguchi, Zhao, Iwasaki, Iwamoto: "Preventive effects of the anti-vasospasm agent via the regulation of the Rho-kinase pathway on the development of steroid-induced osteonecrosis in rabbits." in: <b>Bone</b>, Vol. 53, Issue 2, pp. 329-35, (2013) (<a href="#">PubMed</a>).</p> <p>Chuang, Lin, Huang, Chang, Liou, Chen, Chang, Chan et al.: "Peroxisome proliferator-activated receptors ?/mitochondrial uncoupling protein 2 signaling protects against seizure-induced neuronal cell death in the hippocampus following experimental status ..." in: <b>Journal of neuroinflammation</b>, Vol. 9, pp. 184, (2012) (<a href="#">PubMed</a>).</p>
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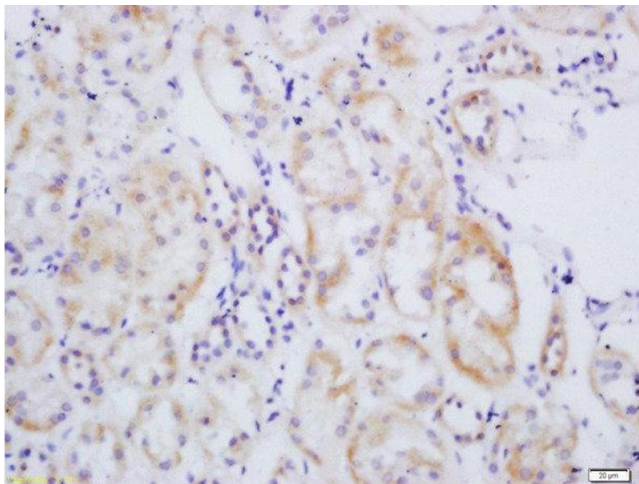
#### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Formalin-fixed and paraffin embedded human lung carcinoma labeled with Anti-Phospho-eNOS (Ser1177) Polyclonal Antibody, Unconjugated at 1:200 followed by conjugation to the secondary antibody and DAB staining



#### Immunohistochemistry (Paraffin-embedded Sections)

**Image 2.** Formalin-fixed and paraffin embedded human gastric cancer labeled with Anti-Phospho-eNOS (Ser1177) Polyclonal Antibody, Unconjugated at 1:200 followed by conjugation to the secondary antibody and DAB staining



#### Immunohistochemistry (Paraffin-embedded Sections)

**Image 3.** Formalin-fixed and paraffin embedded human kidney labeled with Rabbit Anti-eNOS (Ser1177) Polyclonal Antibody, Unconjugated 1:200 followed by conjugation to the secondary antibody and DAB staining