

## Datasheet for ABIN6261536 anti-ENOS antibody (C-Term)



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### Overview

Quantity:	100 µL
Target:	ENOS (NOS3)
Binding Specificity:	C-Term
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ENOS antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC)

### Product Details

Immunogen:	A synthesized peptide derived from human eNOS, corresponding to a region within C-terminal amino acids.
Isotype:	IgG
Specificity:	ENOS Antibody detects endogenous levels of total eNOS.
Predicted Reactivity:	Pig,Bovine,Rabbit,Dog
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).

### Target Details

Target:	ENOS (NOS3)
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## Target Details

Alternative Name:	NOS3 ( <a href="#">NOS3 Products</a> )
Background:	<p>Description: 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.</p> <p>Gene: NOS3</p>
Molecular Weight:	140kDa
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: 1:500-1:3000, IHC 1:200, IF/ICC 1:100-1:500, ELISA(peptide) 1:20000-1:40000
Restrictions:	For Research Use only

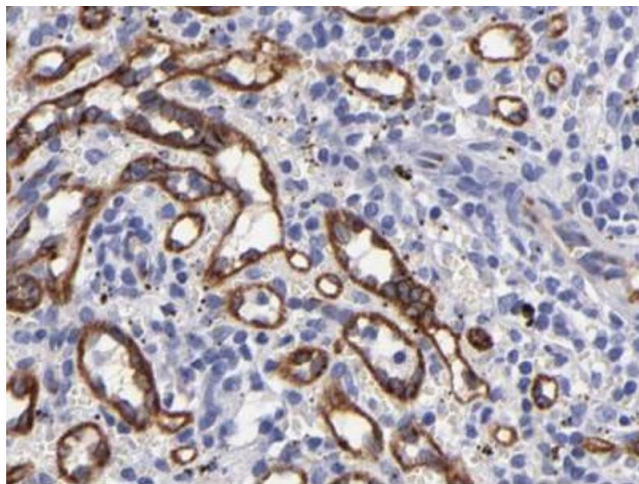
## Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20 °C. Stable for 12 months from date of receipt.
Expiry Date:	12 months

## Publications

Product cited in: Qian, Zhang, Zhou, Liu, Yue, Guo, Sun, Lv, Chen: "Artesunate enhances  $\gamma\delta$  T-cell-mediated antitumor activity through augmenting  $\gamma\delta$  T-cell function and reversing immune escape of HepG2 cells." in: **Immunopharmacology and immunotoxicology**, Vol. 40, Issue 2, pp. 107-116, (2018) ([PubMed](#)).

## Images



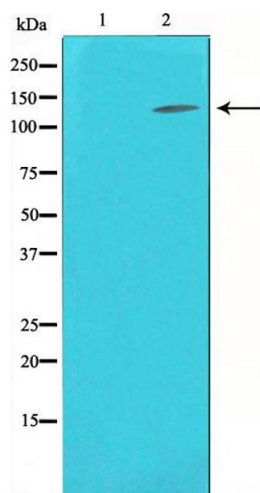
### Immunohistochemistry

**Image 1.** eNOS Antibody for IHC in human spleen tissue



### Immunofluorescence (fixed cells)

**Image 2.** ABIN6266485 staining K562 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



Western Blotting

**Image 3.** Western blot analysis on K562 cell lysate using eNOS Antibody, The lane on the left is treated with the antigen-specific peptide.