



[Go to Product page](#)

Datasheet for ABIN6256115

anti-ENOS antibody (pSer1177)

5 Images

1 Publication

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, Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	A synthesized peptide derived from human eNOS around the phosphorylation site of Ser1177.
Isotype:	IgG
Specificity:	Phospho-eNOS (Ser1177) Antibody detects endogenous levels of eNOS only when phosphorylated at Serine 1177.
Predicted Reactivity:	Pig,Bovine,Horse,Rabbit,Dog
Purification:	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.

Target Details

Target:	ENOS (NOS3)
---------	-------------

Target Details

Alternative Name:	NOS3 (NOS3 Products)
Background:	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. Gene: NOS3
Molecular Weight:	140kDa
Gene ID:	4846
UniProt:	P29474
Pathways:	ACE Inhibitor Pathway , Regulation of Systemic Arterial Blood Pressure by Hormones , Cellular Response to Molecule of Bacterial Origin , Myometrial Relaxation and Contraction , Signaling Events mediated by VEGFR1 and VEGFR2 , Thromboxane A2 Receptor Signaling , VEGFR1 Specific Signals , VEGF Signaling

Application Details

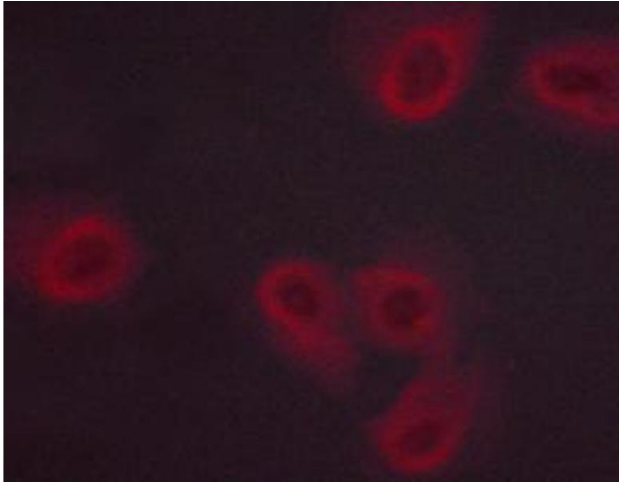
Application Notes:	WB 1:500-1:2000, IHC 1:50-1:200, IF/ICC 1:200, ELISA(peptide) 1:20000-1:40000
Restrictions:	For Research Use only

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

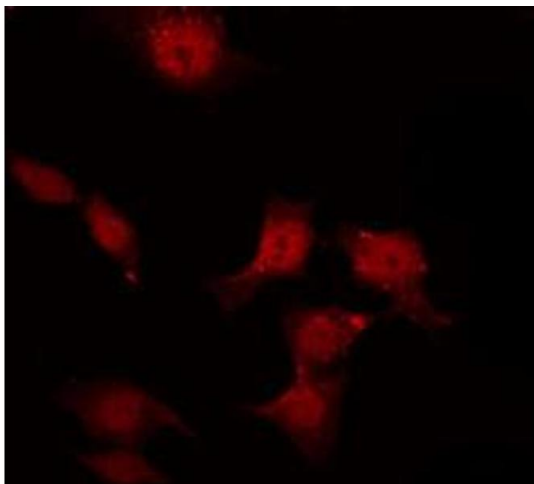
Product cited in: Salimian, Peymani, Ghaedi, Nasr Esfahani: "Modulation in miR-200a/SIRT1 axis is associated with apoptosis in MPP+-induced SH-SY5Y cells." in: **Gene**, Vol. 674, pp. 25-30, (2018) ([PubMed](#)).

Images



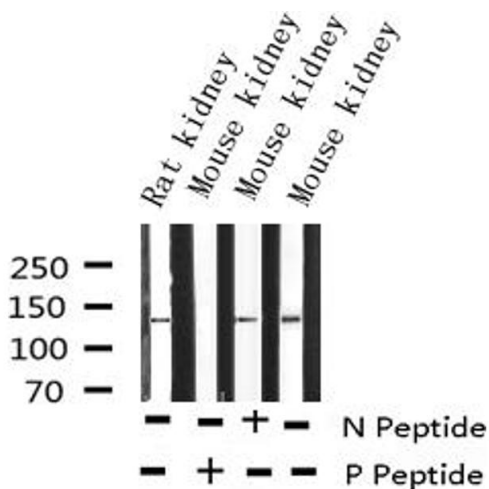
Immunofluorescence (fixed cells)

Image 1. ABIN6267458 staining HeLa cells by ICC/IF. Cells were fixed with PFA and permeabilized in 0.1% saponin prior to blocking in 10% serum for 45 minutes at 37°C. The primary antibody was diluted 1/400 and incubated with the sample for 1 hour at 37°C. A Alexa Fluor 594 conjugated goat polyclonal to rabbit IgG (H+L), diluted 1/600 was used as secondary antibody.



Immunofluorescence (fixed cells)

Image 2. ABIN6267458 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 of Phospho-eNOS (Ser1177) expression in various lysates

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN6256115.