Datasheet for ABIN6256574

anti-ENOS antibody (pThr495)

3 Images

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Overview

Quantity:	100 µL
Target:	ENOS (NOS3)
Binding Specificity:	pThr495
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ENOS antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	A synthesized peptide derived from human eNOS around the phosphorylation site of Thr495.
Isotype:	IgG
Specificity:	Phospho-eNOS (Thr495) Antibody detects endogenous levels of eNOS only when phosphorylated at Threonine 495.
Predicted Reactivity:	Pig,Bovine,Horse,Rabbit,Dog,Chicken
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

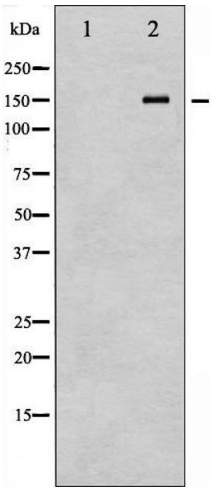
Alternative Name:	NOS3 (NOS3 Products)
Background:	Description: Produces nitric oxide (NO) which is implicated in vascular smooth muscle relaxation through a cGMP-mediated signal transduction pathway. NO mediates vascular endothelial growth factor (VEGF)-induced angiogenesis in coronary vessels and promotes 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, IF/ICC 1:100-1:500, ELISA(peptide) 1:20000-1:40000
Restrictions:	For Research Use only

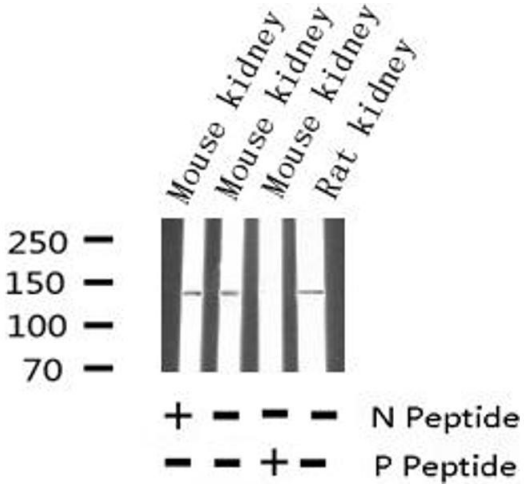
Handling

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



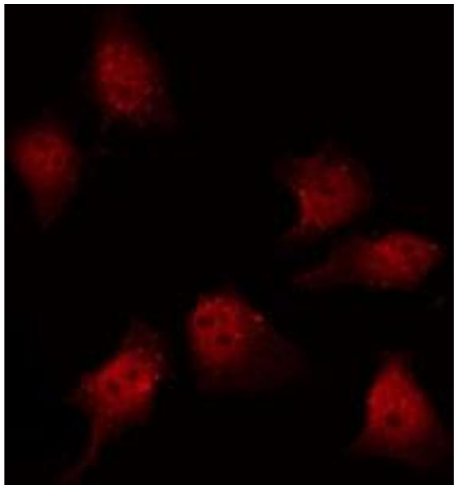
Western Blotting

Image 1. Western blot analysis of eNOS phosphorylation expression in HepG2 whole cell lysates,The lane on the left is treated with the antigen-specific peptide.



Western Blotting

Image 2. Western blot analysis of Phospho-eNOS (Thr494) expression in various lysates



Immunofluorescence (fixed cells)

Image 3. ABIN6267459 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.