

Datasheet for ABIN3032005
anti-ENOS antibody (pSer1177)



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3 Images

Overview

Quantity:	0.4 mL
Target:	ENOS (NOS3)
Binding Specificity:	pSer1177
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ENOS antibody is un-conjugated
Application:	ELISA, Immunofluorescence (IF), Dot Blot (DB)

Product Details

Immunogen:	This phospho-eNos antibody was produced from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding pS1177 of human eNos.
Isotype:	Ig Fraction
Cross-Reactivity (Details):	Expected species reactivity: Mouse, Rat, Bovine, Pig
Purification:	Antigen affinity purified

Target Details

Target:	ENOS (NOS3)
Alternative Name:	eNOS (NOS3 Products)

Target Details

Background: ENos produces nitric oxide, a reactive free radical which acts as a biologic mediator in several processes, including neurotransmission and antimicrobial and antitumoral activities. Nitric oxide is synthesized from L-arginine by nitric oxide synthases.

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: Titration of the phospho-eNos antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Dot blot: 1:500,Immunofluorescence: 1:10-1:50

Restrictions: For Research Use only

Handling

Format: Liquid

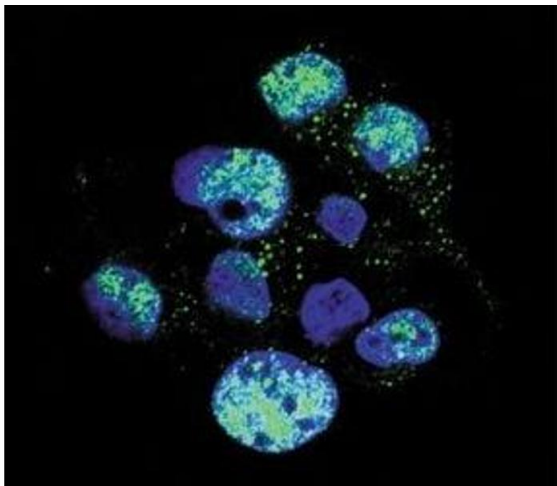
Buffer: In 1X PBS pH 7.4 with 0.09 % sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

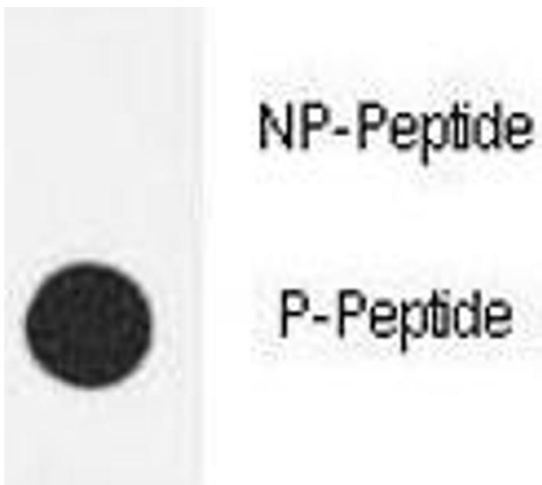
Storage: -20 °C

Storage Comment: Aliquot the phospho-eNos antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



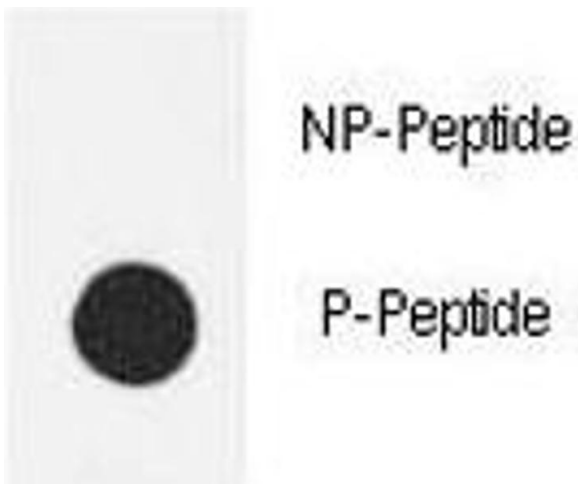
Immunofluorescence

Image 1. Confocal immunofluorescent analysis of phospho-eNos antibody with HepG2 cells followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used as a nuclear counterstain (blue).



Dot Blot

Image 2. Dot blot analysis of phospho-eNos antibody. 50ng of phos-peptide or nonphos-peptide per dot were spotted.



Dot Blot

Image 3. Dot blot analysis of phospho-eNos antibody. 50ng of phos-peptide or nonphos-peptide per dot were spotted.