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# anti-ENOS antibody (pSer1177)

**Images** 



Publication



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Quantity:	400 μL
Target:	ENOS (NOS3)
Binding Specificity:	pSer1177
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ENOS antibody is un-conjugated
Application:	Immunofluorescence (IF), Dot Blot (DB)

Product Details	
Immunogen:	This eNos Antibody is generated from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding S1177 of human eNos.
Clone:	RB21907
Isotype:	IgG
Predicted Reactivity:	B, M, Pig, Rat
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

# **Target Details**

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

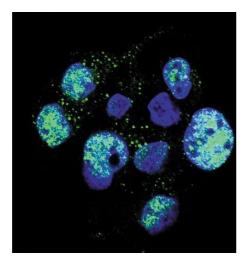
# **Target Details**

Background:	Nitric oxide is 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.
Molecular Weight:	133275
Gene ID:	4846
NCBI Accession:	NP_000594, NP_001153581, NP_001153582, NP_001153583
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:	IF: 1:10~50. DB: 1:500
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) 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:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months
Publications	
Product cited in:	Cai, Zhou, Huang, Zeng, Zhang, Wang, Li, Feng, Han: "Reduced expression of Krüppel-like factor 17 is related to tumor growth and poor prognosis in lung adenocarcinoma." in: <b>Biochemical and</b>

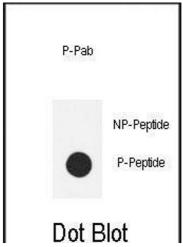
biophysical research communications, Vol. 418, Issue 1, pp. 67-73, (2012) (PubMed).

## **Images**



#### **Immunofluorescence**

**Image 1.** Confocal immunofluorescent analysis of PhosphoeNos- Antibody (ABIN650806 and ABIN2839789) with HepG2 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green).DI was used to stain the cell nuclear (blue).



### **Dot Blot**

**Image 2.** Dot blot analysis of anti-Phospho-eNos- Phosphospecific Pab (ABIN650806 and ABIN2839789) on nitrocellulose membrane. 50 ng of Phospho-peptide or Non Phospho-peptide per dot were adsorbed. Antibody working concentrations are 0.5 µg per ml.