

## ARG67130 anti-eNOS phospho (Ser1177) antibody

Package: 100 µl

Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes eNOS phospho (Ser1177)
Tested Reactivity	Hu, Ms, Rat
Tested Application	ELISA, ICC/IF, WB
Specificity	The antibody detects a ~140 kDa band corresponding to eNOS on SDS-PAGE immunoblots of human umbilical vein endothelial cells grown normally or treated with calyculin A. This reactivity is not observed after lambda phosphatase treatment.
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	eNOS
Species	Human
Immunogen	Synthetic peptide (coupled to carrier protein) around Ser1177 of Human eNOS. This sequence is conserved in rat and mouse eNOS.
Conjugation	Un-conjugated
Alternate Names	NOS3; Nitric Oxide Synthase 3; ENOS; ECNOS; Nitric Oxide Synthase 3 (Endothelial Cell); Constitutive NOS; Endothelial NOS; EC 1.14.13.39; NOS Type III; EC-NOS; NOSIII; CNOS; Nitric Oxide Synthase, Endothelial; Endothelial Nitric Oxide Synthase

### Application Instructions

Application table	Application	Dilution
	ELISA	1:20000
	ICC/IF	1:200 - 1:1000
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### Properties

Form	Liquid
Purification	Affinity chromatography purified
Buffer	PBS, 0.02% Sodium azide, 0.5% BSA and 50% Glycerol
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA, 50% Glycerol
Concentration	1 mg/ml

<b>Storage instruction</b>	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
<b>Note</b>	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

<b>Gene Symbol</b>	NOS3
<b>Gene Full Name</b>	Nitric Oxide Synthase 3
<b>Background</b>	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. Variations in this gene are associated with susceptibility to coronary spasm. Alternative splicing and the use of alternative promoters results in multiple transcript variants. [provided by RefSeq, Oct 2016]
<b>Function</b>	NO mediates vascular endothelial growth factor (VEGF)-induced angiogenesis in coronary vessels and promotes blood clotting through the activation of platelets. [UniProt]
<b>Highlight</b>	Related Antibody Duos and Panels: <a href="#">ARG30247 Phospho eNOS Antibody Duo (Total, pY1177)</a> Related products: <a href="#">eNOS antibodies</a> ; <a href="#">eNOS ELISA Kits</a> ; <a href="#">eNOS Duos / Panels</a> ; <a href="#">Anti-Rabbit IgG secondary antibodies</a> ;
<b>Research Area</b>	Cancer antibody; Cell Biology and Cellular Response antibody; Metabolism antibody; Neuroscience antibody
<b>Calculated Mw</b>	133 kDa
<b>PTM</b>	Lipoprotein, Myristate, Palmitate, Phosphoprotein. [UniProt]
<b>Cellular Localization</b>	Cell membrane, Cytoplasm, Cytoskeleton, Golgi apparatus, Membrane. [UniProt]