

Datasheet for ABIN1713960
anti-ENOS antibody (pSer633)



[Go to Product page](#)

1 Image

Overview

Quantity:	100 µL
Target:	ENOS (NOS3)
Binding Specificity:	pSer633
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ENOS antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunocytochemistry (ICC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic phosphopeptide derived from human eNOS around the phosphorylation site of Ser633
Isotype:	IgG
Cross-Reactivity:	Human, Rat
Predicted Reactivity:	Mouse,Dog,Sheep,Pig,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	ENOS (NOS3)
Alternative Name:	eNOS (NOS3 Products)
Background:	Synonyms: eNOS phospho S633, p-eNOS phospho S633, eNOS 633, cNOS, eNOS, Constitutive NOS, EC NOS, ecNOS, Endothelial nitric oxidase synthase, Endothelial nitric oxide synthase, Endothelial nitric oxide synthase 3, Endothelial NOS, Nitric oxide synthase 3 endothelial cell, Nitric oxide synthase 3, Nitric oxide synthase 3 endothelial cell, Nitric oxide synthase endothelial, nitric oxide synthase, endothelial, NOS 3, NOS III, NOS type III, NOS3, NOSIII, NOS3_HUMAN. Background: eNOS is a calcium/calmodulin dependent enzyme which undergoes several post translational modifications, including acylation with myristate and palmitate, and phosphorylation on numerous residues. As with the other members of the NOS family, eNOS derives the diffusible multifunctional second messenger NO from L arginine through a series of reactions in which L citrulline is an intermediate. eNOS plays an important role in controlling vascular tone, platelet aggregation, and cardiac myocyte function.
Gene ID:	4846
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 1:300-5000 ELISA 1:500-1000 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200 ICC 1:100-500
Restrictions:	For Research Use only

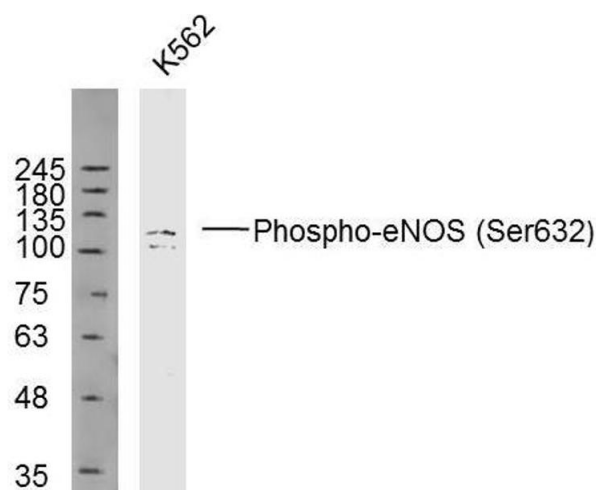
Handling

Format:	Liquid
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Handling

Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Images



Western Blotting

Image 1. Human K562 cell lysates probed with Rabbit Anti-eNOS (Ser633) Polyclonal Antibody, Unconjugated at 1:300 overnight at 4°C. Followed by a conjugated secondary antibody -HRP) at 1:5000 for 90 min at 37°C.