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PRODUCT DATASHEET

Anti-eNOS (Ser-632), Phosphospecific Antibody

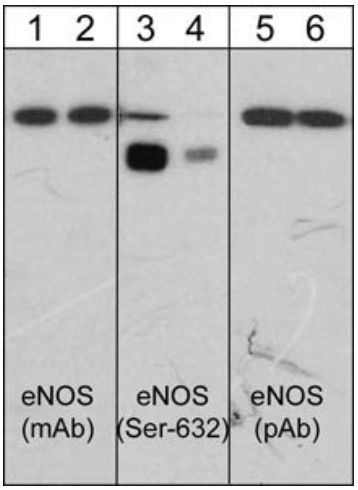
phosphosolutions ANTIBODIES THAT WORK

Product Details

Available Variants	100 µL (SKU:NM2321)
Conjugate	Unconjugated
Isotype	IgG1
Clone	M232
Gene Name	NOS3
Host Species	Mouse
Format	Protein A Purified
Physical State	Liquid
Buffer	PBS + 1 mg/ml BSA, 0.05% NaN3 and 50% glycerol
Applications	ELISA, WB
Dilution Ranges	WB: 1:500
Species Reactivity	Human, Mouse, Rat
Immunogen	Clone M232 was generated from a Phospho-eNOS (Ser-632) synthetic peptide (coupled to carrier protein) corresponding to amino acids surrounding Ser-632 in mouse eNOS. This sequence is conserved in human (Ser-633) and rat (Ser-632) eNOS, and has low homology to other NOS family members.
Specificity	The antibody detects a 140 and 120 kDa* bands on SDS-PAGE immunoblots of human umbilical vein endothelial cells, but these bands are not observed after lambda phosphatase treatment. The 120 kDa band may be a truncated form of eNOS.
Molecular Weight	140
Quality Control	Western blots performed on each lot.
Storage	Storage at -20°C is recommended, as aliquots may be taken without freeze/thawing due to presence of 50% glycerol. Stable for at least 1 year at

	-20°C.
UniProt ID	P70313 UniProt Summary: 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.
Country of Origin	United States
Shipping	Blue Ice
Expiration	After date of receipt, stable for at least 1 year at -20°C.
Usage Statement	For research use only. Not intended for therapeutic or diagnostic use. Use of all products is subject to our terms and conditions, which can be viewed on our website.
Post Translational Modification Type	Phosphorylated
Post Translational Modification Residue	Ser-632
NCBI Gene ID	18127

Product Images



Western blot analysis of human umbilical vein endothelial cells stimulated with Calyculin A and untreated (lanes 1, 3, 5) or treated (lanes 2, 4, 6) with lambda phosphatase. The blots were probed with anti-endothelial Nitric Oxide Synthase (eNOS) monoclonal antibody (lanes 1 & 2), anti-eNOS (Ser-632) phospho-specific antibody (lanes 3 & 4), and anti-eNOS polyclonal antibody (lanes 5 & 6).