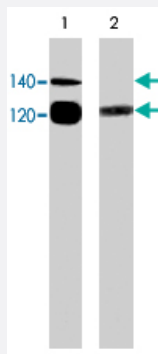


Nos3 (phospho S632) monoclonal antibody, clone M232

Catalog # MAB1391 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of human umbilical vein endothelial cells before (lane 1) and after (lane 2) treatment with lambda phosphatase. The blots were probed with Nos3 (phospho S632) monoclonal antibody, clone M232 (Cat # MAB1391).

Specification

Product Description	Mouse monoclonal antibody raised against synthetic phosphopeptide of Nos3.
Immunogen	Synthetic phosphopeptide corresponding to residues surrounding S632 of mouse Nos3.
Host	Mouse
Reactivity	Human, Mouse, Rat
Specificity	This sequence is conserved in human (Ser-633) and rat (Ser-632) eNOS, and has low homology to other NOS family members.
Form	Liquid
Isotype	IgG1
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	ELISA (1:2000) Western Blot (1:500) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (50% glycerol, 1 mg/mL BSA, 0.05% sodium azide)

Storage Instruction

Store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of human umbilical vein endothelial cells before (lane 1) and after (lane 2) treatment with lambda phosphatase. The blots were probed with Nos3 (phospho S632) monoclonal antibody, clone M232 (Cat # MAB1391).

- Enzyme-linked Immunoabsorbent Assay

Gene Info — Nos3

Entrez GeneID[18127](#)**Gene Name**

Nos3

Gene Alias

2310065A03Rik, Nos-3, eNOS, ecNOS

Gene Description

nitric oxide synthase 3, endothelial cell

Gene Ontology[Hyperlink](#)**Gene Summary**

O

Other Designations

OTTMUSP00000028591|endothelial nitric oxide synthase

Publication Reference

- [Regulation of endothelial and myocardial NO synthesis by multi-site eNOS phosphorylation.](#)

Mount PF, Kemp BE, Power DA.

Journal of Molecular and Cellular Cardiology 2007 Feb; 42(2):271.

- [Inactivation of phosphorylated endothelial nitric oxide synthase \(Ser-1177\) by O-GlcNAc in diabetes-associated erectile dysfunction.](#)

Musicki B, Kramer MF, Becker RE, Burnett AL.

PNAS 2005 Aug; 102(33):11870.

- [Cloning and characterization of inducible nitric oxide synthase from mouse macrophages.](#)

Xie QW, Cho HJ, Calaycay J, Mumford RA, Swiderek KM, Lee TD, Ding A, Troso T, Nathan C.

Science 1992 Apr; 256(5054):225.