

Resource Summary Report

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Phospho-eNOS (Ser1177) Antibody

RRID:AB_329837

Type: Antibody

Proper Citation

Cell Signaling Technology Cat# 9571, RRID:AB_329837

Antibody Information

URL: http://antibodyregistry.org/AB_329837

Proper Citation: Cell Signaling Technology Cat# 9571, RRID:AB_329837

Target Antigen: Phospho-eNOS (Ser1177)

Host Organism: rabbit

Clonality: polyclonal

Comments: Applications: W. Consolidation: AB_329838.

Info: Independent validation by the NYU Lagone was performed for: IHC. This antibody was found to have the following characteristics: Functional in human:FALSE, NonFunctional in human:FALSE, Functional in animal:FALSE, NonFunctional in animal:FALSE

Antibody Name: Phospho-eNOS (Ser1177) Antibody

Description: This polyclonal targets Phospho-eNOS (Ser1177)

Target Organism: (h, b, rat, porcine, m, mouse, pg, r), bovine, human

Antibody ID: AB_329837

Vendor: Cell Signaling Technology

Catalog Number: 9571

Alternative Catalog Numbers: 9571S, 9571L

Record Creation Time: 20250820T041311+0000

Record Last Update: 20250820T182205+0000

Ratings and Alerts

- Independent validation by the NYU Lagone was performed for: IHC. This antibody was found to have the following characteristics: Functional in human:FALSE, NonFunctional in human:FALSE, Functional in animal:FALSE, NonFunctional in animal:FALSE - NYU Langone's Center for Biospecimen Research and Development <https://med.nyu.edu/research/scientific-cores-shared-resources/center-biospecimen-research-development>

No alerts have been found for Phospho-eNOS (Ser1177) Antibody.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 20 mentions in open access literature.

Listed below are recent publications. The full list is available at [RRID](#) .

Allerkamp HH, et al. (2025) In vitro examination of Piezo1-TRPV4 dynamics: implications for placental endothelial function in normal and preeclamptic pregnancies. American journal of physiology. Cell physiology, 328(1), C227.

Kaur G, et al. (2025) NADPH oxidase 1-PKC?-dependent ZO-1 phosphorylation mediates IL-33-induced inner blood-retinal barrier disruption in proliferative retinopathies. American journal of physiology. Cell physiology, 329(5), C1577.

Erkens R, et al. (2024) Inhibition of proline-rich tyrosine kinase 2 restores cardioprotection by remote ischaemic preconditioning in type 2 diabetes. British journal of pharmacology, 181(21), 4174.

Liu J, et al. (2023) Liraglutide and Exercise Synergistically Attenuate Vascular Inflammation and Enhance Metabolic Insulin Action in Early Diet-Induced Obesity. Diabetes, 72(7), 918.

Zhao JY, et al. (2023) Metformin promotes angiogenesis and functional recovery in aged mice after spinal cord injury by adenosine monophosphate-activated protein kinase/endothelial nitric oxide synthase pathway. Neural regeneration research, 18(7), 1553.

Jeong JH, et al. (2023) Dual anti-angiogenic and anti-metastatic activity of myriocin synergistically enhances the anti-tumor activity of cisplatin. Cellular oncology (Dordrecht), 46(1), 117.

Wu K, et al. (2023) Alpha 7-nicotinic cholinceptor regulation of pericyte-containing retinal capillaries. British journal of pharmacology.

Hulett NA, et al. (2023) Sex Differences in the Skeletal Muscle Response to a High Fat, High Sucrose Diet in Rats. Nutrients, 15(20).

- Yan Z, et al. (2022) C1q/tumor necrosis factor-related protein-3 improves microvascular endothelial function in diabetes through the AMPK/eNOS/NO[•] signaling pathway. *Biochemical pharmacology*, 195, 114745.
- Kuo A, et al. (2022) Murine endothelial serine palmitoyltransferase 1 (SPTLC1) is required for vascular development and systemic sphingolipid homeostasis. *eLife*, 11.
- MacKay CE, et al. (2022) A plasma membrane-localized polycystin-1/polycystin-2 complex in endothelial cells elicits vasodilation. *eLife*, 11.
- Liu J, et al. (2022) Metformin prevents endothelial oxidative stress and microvascular insulin resistance during obesity development in male rats. *American journal of physiology. Endocrinology and metabolism*, 322(3), E293.
- Rodríguez C, et al. (2021) Activation of AMP kinase ameliorates kidney vascular dysfunction, oxidative stress and inflammation in rodent models of obesity. *British journal of pharmacology*, 178(20), 4085.
- Müller M, et al. (2021) Gene editing and synthetically accessible inhibitors reveal role for TPC2 in HCC cell proliferation and tumor growth. *Cell chemical biology*, 28(8), 1119.
- Zhai R, et al. (2020) Exendin-4, a GLP-1 receptor agonist regulates retinal capillary tone and restores microvascular patency after ischaemia-reperfusion injury. *British journal of pharmacology*, 177(15), 3389.
- MacKay CE, et al. (2020) Intravascular flow stimulates PKD2 (polycystin-2) channels in endothelial cells to reduce blood pressure. *eLife*, 9.
- Bachmann SB, et al. (2019) A Distinct Role of the Autonomic Nervous System in Modulating the Function of Lymphatic Vessels under Physiological and Tumor-Draining Conditions. *Cell reports*, 27(11), 3305.
- Choi S, et al. (2019) Regulation of endothelial barrier integrity by redox-dependent nitric oxide signaling: Implication in traumatic and inflammatory brain injuries. *Nitric oxide : biology and chemistry*, 83, 51.
- Yang P, et al. (2019) A novel cyclic biased agonist of the apelin receptor, MM07, is disease modifying in the rat monocrotaline model of pulmonary arterial hypertension. *British journal of pharmacology*, 176(9), 1206.
- Coulombe P, et al. (2019) Endothelial Sash1 Is Required for Lung Maturation through Nitric Oxide Signaling. *Cell reports*, 27(6), 1769.