

Resource Summary Report

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Osteopontin (OPN, also designated Bone Sialoprotein 1, Urinary Stone Protein, spp-1, eta-1, nephropontin, uropontin)

RRID:AB_306566

Type: Antibody

Proper Citation

Abcam Cat# ab8448, RRID:AB_306566

Antibody Information

URL: http://antibodyregistry.org/AB_306566

Proper Citation: Abcam Cat# ab8448, RRID:AB_306566

Target Antigen: Synthetic peptide: CKSKKFRRPDIQYPD, corresponding to amino acids 170-183 of Human Osteopontin. (Peptide available as ab9078).

Host Organism: rabbit

Clonality: unknown

Comments: Used By NYUIHC-968

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:TRUE, Functional in animal:FALSE, NonFunctional in animal:TRUE

Antibody Name: Osteopontin (OPN, also designated Bone Sialoprotein 1, Urinary Stone Protein, spp-1, eta-1, nephropontin, uropontin)

Description: This unknown targets Synthetic peptide: CKSKKFRRPDIQYPD, corresponding to amino acids 170-183 of Human Osteopontin. (Peptide available as ab9078).

Antibody ID: AB_306566

Vendor: Abcam

Catalog Number: ab8448

Record Creation Time: 20250819T235551+0000

Record Last Update: 20250820T065125+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:TRUE, Functional in animal:FALSE, NonFunctional in animal:TRUE - 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 Osteopontin (OPN, also designated Bone Sialoprotein 1, Urinary Stone Protein, spp-1, eta-1, nephropontin, uropontin).

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 13 mentions in open access literature.

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

Ahmed F, et al. (2025) Meprin ? regulates osteopontin-signaling in ischemia/reperfusion-induced kidney injury. BMC nephrology, 26(1), 90.

Zhao Y, et al. (2025) High glucose induces osteoblasts ferroptosis via the TXNIP/Trx-1/GPX4 pathway in type 2 diabetic osteoporosis. European journal of medical research, 31(1), 163.

Rodrigues-Diez R, et al. (2024) Resolvin D2 prevents vascular remodeling, hypercontractility and endothelial dysfunction in obese hypertensive mice through modulation of vascular and proinflammatory factors. Biomedicine & pharmacotherapy = Biomedecine & pharmacotherapie, 174, 116564.

Kim K, et al. (2023) Cell Competition Shapes Metastatic Latency and Relapse. Cancer discovery, 13(1), 85.

Faraldi M, et al. (2022) A novel methodological approach to simultaneously extract high-quality total RNA and proteins from cortical and trabecular bone. Open biology, 12(5), 210387.

Peindl M, et al. (2022) EMT, Stemness, and Drug Resistance in Biological Context: A 3D Tumor Tissue/In Silico Platform for Analysis of Combinatorial Treatment in NSCLC with Aggressive KRAS-Biomarker Signatures. Cancers, 14(9).

Kennon AM, et al. (2021) RAGE Differentially Altered in vitro Responses in Vascular Smooth Muscle Cells and Adventitial Fibroblasts in Diabetes-Induced Vascular Calcification. *Frontiers in physiology*, 12, 676727.

Shi L, et al. (2021) Treg cell-derived osteopontin promotes microglia-mediated white matter repair after ischemic stroke. *Immunity*, 54(7), 1527.

Khazaei S, et al. (2020) H3.3 G34W Promotes Growth and Impedes Differentiation of Osteoblast-Like Mesenchymal Progenitors in Giant Cell Tumor of Bone. *Cancer discovery*, 10(12), 1968.

Gao X, et al. (2020) Osteopontin Links Myeloid Activation and Disease Progression in Systemic Sclerosis. *Cell reports. Medicine*, 1(8), 100140.

Chen PY, et al. (2020) Smooth Muscle Cell Reprogramming in Aortic Aneurysms. *Cell stem cell*, 26(4), 542.

Liao R, et al. (2020) Vascular calcification is associated with Wnt-signaling pathway and blood pressure variability in chronic kidney disease rats. *Nephrology (Carlton, Vic.)*, 25(3), 264.

Pillai ICL, et al. (2017) Cardiac Fibroblasts Adopt Osteogenic Fates and Can Be Targeted to Attenuate Pathological Heart Calcification. *Cell stem cell*, 20(2), 218.