Resource Summary Report

Generated by dkNET on Aug 16, 2026

OPN (AKm2A1)

RRID:AB_2194997
Type: Antibody

Proper Citation

Santa Cruz Biotechnology Cat# sc-21742, RRID:AB_2194997

Antibody Information

URL: http://antibodyregistry.org/AB_2194997

Proper Citation: Santa Cruz Biotechnology Cat# sc-21742, RRID:AB_2194997

Target Antigen: OPN (AKm2A1) is a mouse monoclonal antibody raised against mouse recombinant osteopontin

Host Organism: mouse

Clonality: monoclonal

Comments: Used By NYUIHC-662
Info: Independent validation by the NYU Lagone was performed for: IHC. This antibody was found to have the following characteristics: Functional in human:TRUE, NonFunctional in human:FALSE, Functional in animal:FALSE, NonFunctional in animal:FALSE

Antibody Name: OPN (AKm2A1)

Description: This monoclonal targets OPN (AKm2A1) is a mouse monoclonal antibody raised against mouse recombinant osteopontin

Target Organism: rat, mouse, human

Clone ID: [Akm2A1]

Antibody ID: AB_2194997

Vendor: Santa Cruz Biotechnology

Catalog Number: sc-21742

Record Creation Time: 20250820T023305+0000

Record Last Update: 20250820T135307+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:TRUE, 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 OPN (AKm2A1).

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 dkNET .

Sloan NX, et al. (2026) Uncovering the signatures of aging and senescence in the human dorsolateral prefrontal cortex. Cell genomics, 6(2), 101127.

Liang X, et al. (2026) Colorectal cancer-derived osteopontin rewires macrophages into a pro-metastatic M2 state via the PI3K/AKT/CSF1-CSF1R axis. Cell death discovery, 12(1), 92.

Kageyama I, et al. (2026) Neural stem cells as potential mediators of prenatal dietary stress through epigenetic mechanisms. Stem cell reports, 21(7), 102996.

Bessa-Andrês C, et al. (2024) Mechanical stimulation-induced purinome priming fosters osteogenic differentiation and osteointegration of mesenchymal stem cells from the bone marrow of post-menopausal women. Stem cell research & therapy, 15(1), 168.

Farooq H, et al. (2024) Molecular imaging in experimental pulmonary fibrosis reveals that nintedanib unexpectedly modulates CCR2 immune cell infiltration. EBioMedicine, 110, 105431.

Forte YS, et al. (2024) Unlocking the Secrets of Adipose Tissue: How an Obesity-Associated Secretome Promotes Osteoblast Dedifferentiation via TGF-?1 Signaling, Paving the Path to an Adipogenic Phenotype. Cells, 13(17).

Lien CF, et al. (2023) Peroxisome proliferator-activated receptor ? improves the features of atherosclerotic plaque vulnerability by regulating smooth muscle cell phenotypic switching. British journal of pharmacology, 180(16), 2085.

Hsiao CC, et al. (2023) Osteopontin associates with brain TRM-cell transcriptome and compartmentalization in donors with and without multiple sclerosis. iScience, 26(1),

105785.

Wang H, et al. (2023) Antiandrogen treatment induces stromal cell reprogramming to promote castration resistance in prostate cancer. Cancer cell, 41(7), 1345.

Kato J, et al. (2021) Time- and area-dependent macrophage/microglial responses after focal infarction of the macaque internal capsule. Neuroscience research, 170, 350.

Ayhan S, et al. (2021) Characterization of human bone marrow niches with metabolome and transcriptome profiling. Journal of cell science, 134(6).

Stone JS, et al. (2021) The transcription factor Sox2 is required to maintain the cell type-specific properties and innervation of type II vestibular hair cells in adult mice. The Journal of neuroscience : the official journal of the Society for Neuroscience, 41(29), 6217.

Lyu Q, et al. (2020) RNA-Seq Reveals Sub-Zones in Mouse Adrenal Zona Fasciculata and the Sexually Dimorphic Responses to Thyroid Hormone. Endocrinology, 161(9).