

Resource Summary Report

Generated by [RRID](#) on Jul 28, 2026

p16 ARC antibody [EP1551Y]

RRID:AB_2059963

Type: Antibody

Proper Citation

(Abcam Cat# ab51243, RRID:AB_2059963)

Antibody Information

URL: http://antibodyregistry.org/AB_2059963

Proper Citation: (Abcam Cat# ab51243, RRID:AB_2059963)

Target Antigen: Arpc5

Host Organism: rabbit

Clonality: monoclonal

Comments: validation status unknown, seller recommendations provided in 2012:western blot, immunoprecipitation, immunohistochemistry, immunocytochemistry, flow cytometry

Antibody Name: p16 ARC antibody [EP1551Y]

Description: This monoclonal targets Arpc5

Target Organism: mouse, human

Clone ID: EP1551Y

Antibody ID: AB_2059963

Vendor: Abcam

Catalog Number: ab51243

Record Creation Time: 20231110T050738+0000

Record Last Update: 20260615T235139+0000

Ratings and Alerts

No rating or validation information has been found for p16 ARC antibody [EP1551Y].

Warning: This antibody is the top hit for P16 on the Abcam website, and 95% of papers assessed have used this antibody mistakenly to study p16-INK4a. From the blog "...researchers have muddled these two proteins and mistakenly ordered an antibody that binds p16-ARC when trying to investigate the expression of p16-INK4a" validation status unknown, seller recommendations provided in 2012:western blot, immunoprecipitation, immunohistochemistry, immunocytochemistry, flow cytometry

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](#) .

Li X, et al. (2026) Spatio-Temporal Proteomic Landscape Reveals Early Warning Signals of Esophageal Squamous Cell Carcinoma Progression. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), e14343.

Yeat NY, et al. (2025) Bro1 proteins determine tumor immune evasion and metastasis by controlling secretion or degradation of multivesicular bodies. *Developmental cell*, 60(15), 2114.

Guo X, et al. (2025) Shenyuan granules improve cellular senescence through Klotho-mediated p16/p21 signaling pathway in diabetic kidney disease. *Frontiers in medicine*, 12, 1627412.

Hara D, et al. (2025) Targeting MLL1/WDR5-Mediated Epigenetic Regulation Mitigates Peritoneal Fibrosis by Reducing p16INK4a. *FASEB journal : official publication of the Federation of American Societies for Experimental Biology*, 39(8), e70543.

Han B, et al. (2024) Renal inflammation combined with renal function reserve reduction accelerate kidney aging via pentose phosphate pathway. *iScience*, 27(6), 110045.

Zhu Q, et al. (2021) Rack1 is essential for corticogenesis by preventing p21-dependent senescence in neural stem cells. *Cell reports*, 36(9), 109639.

Yang Y, et al. (2021) Vitamin C alleviates the senescence of periodontal ligament stem cells through inhibition of Notch3 during long-term culture. *Journal of cellular physiology*, 236(2), 1237.

Che H, et al. (2020) p16 deficiency attenuates intervertebral disc degeneration by adjusting oxidative stress and nucleus pulposus cell cycle. *eLife*, 9.

Balakrishnan I, et al. (2020) Senescence Induced by BMI1 Inhibition Is a Therapeutic Vulnerability in H3K27M-Mutant DIPG. *Cell reports*, 33(3), 108286.

Indra I, et al. (2020) Sensing Actin Dynamics through Adherens Junctions. *Cell reports*, 30(8), 2820.

Nogueira-Recalde U, et al. (2019) Fibrates as drugs with senolytic and autophagic activity for osteoarthritis therapy. *EBioMedicine*, 45, 588.

Kong X, et al. (2019) Defining UHRF1 Domains that Support Maintenance of Human Colon Cancer DNA Methylation and Oncogenic Properties. *Cancer cell*, 35(4), 633.

Xia L, et al. (2017) CHD4 Has Oncogenic Functions in Initiating and Maintaining Epigenetic Suppression of Multiple Tumor Suppressor Genes. *Cancer cell*, 31(5), 653.