

Resource Summary Report

Generated by [RRID](#) on Sep 11, 2026

Anti-ARPC5/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/p16 ARC

Host Organism: rabbit

Clonality: monoclonal

Comments: Applications: Western Blot, IP, IHC-P, ICC/IF

Antibody Name: Anti-ARPC5/p16 ARC antibody [EP1551Y]

Description: This monoclonal targets ARPC5/p16 ARC

Target Organism: rat, mouse, human

Clone ID: EP1551Y

Antibody ID: AB_2059963

Vendor: Abcam

Catalog Number: ab51243

Record Creation Time: 20260620T063255+0000

Record Last Update: 20260828T180310+0000

Ratings and Alerts

No rating or validation information has been found for Anti-ARPC5/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"

Applications: Western Blot, IP, IHC-P, ICC/IF

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 15 mentions in open access literature.

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

Zhou Z, et al. (2026) Using an Unbiased Coexpression Network to Reveal Cross-Talking Pathways of Phosphoinositide-3-Kinase Regulatory Subunit 1 in Skin Aging and Rejuvenation. *FASEB journal : official publication of the Federation of American Societies for Experimental Biology*, 40(2), e71466.

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.

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

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

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

Nassour J, et al. (2019) Autophagic cell death restricts chromosomal instability during replicative crisis. Nature, 565(7741), 659.

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.