

APC/C Dysfunction Limits Excessive Cancer Chromosomes

Cancer Discovery

7, 218-233

DOI: [10.1158/2159-8290.cd-16-0645](https://doi.org/10.1158/2159-8290.cd-16-0645)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Mitotic DNA Damage Response: At the Crossroads of Structural and Numerical Cancer Chromosome Instabilities. <i>Trends in Cancer</i> , 2017, 3, 225-234.	3.8	59
2	Tuning Chromosomal Instability to Optimize Tumor Fitness. <i>Cancer Discovery</i> , 2017, 7, 134-136.	7.7	11
3	Chromosome Mis-segregation Generates Cell-Cycle-Arrested Cells with Complex Karyotypes that Are Eliminated by the Immune System. <i>Developmental Cell</i> , 2017, 41, 638-651.e5.	3.1	263
4	Role of chromosomal instability in cancer progression. <i>Endocrine-Related Cancer</i> , 2017, 24, T23-T31.	1.6	67
5	Interrogating cell division errors using random and chromosome-specific missegregation approaches. <i>Cell Cycle</i> , 2017, 16, 1252-1258.	1.3	11
6	Visualizing the complex functions and mechanisms of the anaphase promoting complex/cyclosome (APC/C). <i>Open Biology</i> , 2017, 7, 170204.	1.5	133
7	Evolving Therapeutic Strategies to Exploit Chromosome Instability in Cancer. <i>Cancers</i> , 2017, 9, 151.	1.7	54
8	The role of tumour heterogeneity and clonal cooperativity in metastasis, immune evasion and clinical outcome. <i>BMC Medicine</i> , 2017, 15, 133.	2.3	166
9	USP9X Limits Mitotic Checkpoint Complex Turnover to Strengthen the Spindle Assembly Checkpoint and Guard against Chromosomal Instability. <i>Cell Reports</i> , 2018, 23, 852-865.	2.9	27
10	Disruption of the anaphase-promoting complex confers resistance to TTK inhibitors in triple-negative breast cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E1570-E1577.	3.3	62
11	Integrative transcriptome analysis identifies genes and pathways associated with enzalutamide resistance of prostate cancer. <i>Aging Male</i> , 2018, 21, 231-237.	0.9	8
12	Determinants and clinical implications of chromosomal instability in cancer. <i>Nature Reviews Clinical Oncology</i> , 2018, 15, 139-150.	12.5	272
13	A fine balancing act: A delicate kinase-phosphatase equilibrium that protects against chromosomal instability and cancer. <i>International Journal of Biochemistry and Cell Biology</i> , 2018, 96, 148-156.	1.2	23
14	Tolerance of Chromosomal Instability in Cancer: Mechanisms and Therapeutic Opportunities. <i>Cancer Research</i> , 2018, 78, 6529-6535.	0.4	32
15	Immune checkpoint inhibitors in MITF family translocation renal cell carcinomas and genetic correlates of exceptional responders. , 2018, 6, 159.		56
16	The impact of mitotic errors on cell proliferation and tumorigenesis. <i>Genes and Development</i> , 2018, 32, 620-638.	2.7	177
17	Targeting the cell cycle in breast cancer: towards the next phase. <i>Cell Cycle</i> , 2018, 17, 1871-1885.	1.3	108
18	Cezanne/ <i>OTUD</i> 7B is a cell cycle-regulated deubiquitinase that antagonizes the degradation of <i>APC</i> /C substrates. <i>EMBO Journal</i> , 2018, 37, .	3.5	60

#	ARTICLE	IF	CITATIONS
19	Activating the Anaphase Promoting Complex to Enhance Genomic Stability and Prolong Lifespan. International Journal of Molecular Sciences, 2018, 19, 1888.	1.8	16
20	Germline and somatic variations influence the somatic mutational signatures of esophageal squamous cell carcinomas in a Chinese population. BMC Genomics, 2018, 19, 538.	1.2	19
21	Integrated analysis highlights APC11 protein expression as a likely new independent predictive marker for colorectal cancer. Scientific Reports, 2018, 8, 7386.	1.6	12
22	UBE2C Is a Potential Biomarker of Intestinal-Type Gastric Cancer With Chromosomal Instability. Frontiers in Pharmacology, 2018, 9, 847.	1.6	48
23	Chromosomal Instability in Tumor Initiation and Development. Cancer Research, 2019, 79, 3995-4002.	0.4	67
24	Overexpression of hsa-miR-186 induces chromosomal instability in arsenic-exposed human keratinocytes. Toxicology and Applied Pharmacology, 2019, 378, 114614.	1.3	16
25	Hyperphosphorylation of CDH1 in Glioblastoma Cancer Stem Cells Attenuates APC/CCDH1 Activity and Pharmacologic Inhibition of APC/CCDH1/CDC20 Compromises Viability. Molecular Cancer Research, 2019, 17, 1519-1530.	1.5	22
26	HNRNPL Restrains miR-155 Targeting of BUB1 to Stabilize Aberrant Karyotypes of Transformed Cells in Chronic Lymphocytic Leukemia. Cancers, 2019, 11, 575.	1.7	11
27	Resolving genetic heterogeneity in cancer. Nature Reviews Genetics, 2019, 20, 404-416.	7.7	443
28	Impressionist portraits of mitotic exit: APC/C, K11-linked ubiquitin chains and Cezanne. Cell Cycle, 2019, 18, 652-660.	1.3	14
29	Predicting E3 Ubiquitin Ligases as Possible Promising Biomarkers for Brain Tumors. , 2019, , 43-72.		1
30	Differential Expression of Genes for Ubiquitin Ligases in Medulloblastoma Subtypes. Cerebellum, 2019, 18, 469-488.	1.4	3
32	Cell-Size-Independent Spindle Checkpoint Failure Underlies Chromosome Segregation Error in Mouse Embryos. Current Biology, 2019, 29, 865-873.e3.	1.8	49
33	The diverse consequences of aneuploidy. Nature Cell Biology, 2019, 21, 54-62.	4.6	140
34	Delayed Chromosome Alignment to the Spindle Equator Increases the Rate of Chromosome Missegregation in Cancer Cell Lines. Biomolecules, 2019, 9, 10.	1.8	19
35	The molecular origins and pathophysiological consequences of micronuclei: New insights into an age-old problem. Mutation Research - Reviews in Mutation Research, 2019, 779, 1-35.	2.4	86
36	PRL-3 Promotes Ubiquitination and Degradation of AURKA and Colorectal Cancer Progression via Dephosphorylation of FZR1. Cancer Research, 2019, 79, 928-940.	0.4	25
37	Control of the Cell Cycle. , 2020, , 56-73.e5.		1

#	ARTICLE	IF	CITATIONS
38	The anaphase-promoting complex: A key mitotic regulator associated with somatic mutations occurring in cancer. <i>Genes Chromosomes and Cancer</i> , 2020, 59, 189-202.	1.5	12
39	When RAD52 Allows Mitosis to Accept Unscheduled DNA Synthesis. <i>Cancers</i> , 2020, 12, 26.	1.7	16
40	MDA-MB-157 Cell Line Presents High Levels of MAD2L2 and Dysregulated Mitosis. <i>Anticancer Research</i> , 2020, 40, 5471-5480.	0.5	7
41	P53 induces senescence in the unstable progeny of aneuploid cells. <i>Cell Cycle</i> , 2020, 19, 3508-3520.	1.3	6
42	DNA Replication Stress and Chromosomal Instability: Dangerous Liaisons. <i>Genes</i> , 2020, 11, 642.	1.0	94
43	Evolutionary Dynamics of the Spindle Assembly Checkpoint in Eukaryotes. <i>Current Biology</i> , 2020, 30, R589-R602.	1.8	55
44	APC/C ubiquitin ligase: Functions and mechanisms in tumorigenesis. <i>Seminars in Cancer Biology</i> , 2020, 67, 80-91.	4.3	57
45	Exploiting Cancer's Tactics to Make Cancer a Manageable Chronic Disease. <i>Cancers</i> , 2020, 12, 1649.	1.7	3
46	Mutation-selection balance and compensatory mechanisms in tumour evolution. <i>Nature Reviews Genetics</i> , 2021, 22, 251-262.	7.7	38
47	Reduced USP22 Expression Impairs Mitotic Removal of H2B Monoubiquitination, Alters Chromatin Compaction and Induces Chromosome Instability That May Promote Oncogenesis. <i>Cancers</i> , 2021, 13, 1043.	1.7	8
48	Translesion Synthesis or Repair by Specialized DNA Polymerases Limits Excessive Genomic Instability upon Replication Stress. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3924.	1.8	17
49	Intricate Regulatory Mechanisms of the Anaphase-Promoting Complex/Cyclosome and Its Role in Chromatin Regulation. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 687515.	1.8	13
50	Prostate cancer risk variants of the HOXB genetic locus. <i>Scientific Reports</i> , 2021, 11, 11385.	1.6	6
51	Analyzing the Opportunities to Target DNA Double-Strand Breaks Repair and Replicative Stress Responses to Improve Therapeutic Index of Colorectal Cancer. <i>Cancers</i> , 2021, 13, 3130.	1.7	13
52	Targeting Cancer Heterogeneity with Immune Responses Driven by Oncolytic Peptides. <i>Trends in Cancer</i> , 2021, 7, 557-572.	3.8	33
53	Capturing cancer evolution using genetically engineered mouse models (GEMMs). <i>Trends in Cell Biology</i> , 2021, 31, 1007-1018.	3.6	20
54	Genetic regressive trajectories in colorectal cancer: A new hallmark of oligo-metastatic disease?. <i>Translational Oncology</i> , 2021, 14, 101131.	1.7	14
55	Cell cycle control in cancer. <i>Nature Reviews Molecular Cell Biology</i> , 2022, 23, 74-88.	16.1	499

#	ARTICLE	IF	CITATIONS
58	In silico APC/C substrate discovery reveals cell cycle-dependent degradation of UHRF1 and other chromatin regulators. <i>PLoS Biology</i> , 2020, 18, e3000975.	2.6	7
59	The role of Anaphase Promoting Complex activation, inhibition and substrates in cancer development and progression. <i>Aging</i> , 2020, 12, 15818-15855.	1.4	21
60	The Anaphase Promoting Complex/Cyclosome (APC/C): A Versatile E3 Ubiquitin Ligase. <i>Sub-Cellular Biochemistry</i> , 2019, 93, 539-623.	1.0	6
65	Identification of Key Genes Associated with Progression and Prognosis of Bladder Cancer through Integrated Bioinformatics Analysis. <i>Cancers</i> , 2021, 13, 5931.	1.7	5
66	CDC27-ODC1 Axis Promotes Metastasis, Accelerates Ferroptosis and Predicts Poor Prognosis in Neuroblastoma. <i>Frontiers in Oncology</i> , 2022, 12, 774458.	1.3	4
67	Chromatin-associated orphan snoRNA regulates DNA damage-mediated differentiation via a non-canonical complex. <i>Cell Reports</i> , 2022, 38, 110421.	2.9	19
70	Prognostic and clinical significance of subcellular CDC27 for patients with rectal adenocarcinoma treated with adjuvant chemotherapy. <i>Oncology Letters</i> , 2022, 24, .	0.8	2
71	Germline Missense Variants in <i>CDC20</i> Result in Aberrant Mitotic Progression and Familial Cancer. <i>Cancer Research</i> , 2022, 82, 3499-3515.	0.4	4
72	Activation of the Anaphase Promoting Complex Reverses Multiple Drug Resistant Cancer in a Canine Model of Multiple Drug Resistant Lymphoma. <i>Cancers</i> , 2022, 14, 4215.	1.7	1
73	Repression of essential cell cycle genes increases cellular fitness. <i>PLoS Genetics</i> , 2022, 18, e1010349.	1.5	2
74	Mitotic Checkpoint Imbalances in Familial Cancer. <i>Cancer Research</i> , 2022, 82, 3432-3434.	0.4	1
76	The Anaphase-Promoting Complex/Cyclosome Is a Cellular Ageing Regulator. <i>International Journal of Molecular Sciences</i> , 2022, 23, 15327.	1.8	2
77	Molecular structure of the Anaphase Promoting Complex/Cyclosome (APC/C) during different processes of the cell cycle. , 2022, , .		0
78	Adaptation to high rates of chromosomal instability and aneuploidy through multiple pathways in budding yeast. <i>EMBO Journal</i> , 2023, 42, .	3.5	10
79	A pluripotent developmental state confers a low fidelity of chromosome segregation. <i>Stem Cell Reports</i> , 2023, , .	2.3	3
80	Adaptation to spindle assembly checkpoint inhibition through the selection of specific aneuploidies. <i>Genes and Development</i> , 2023, 37, 171-190.	2.7	4