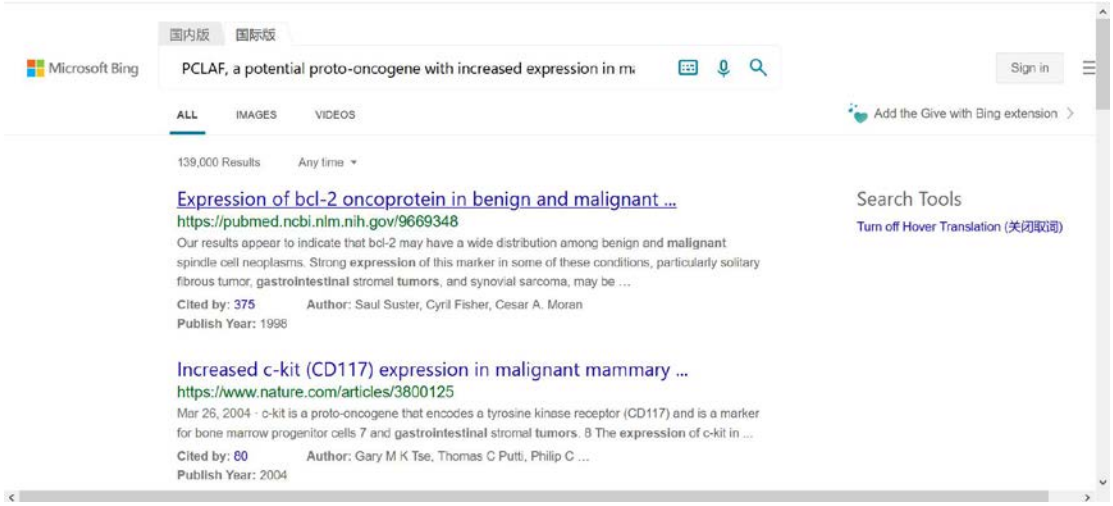
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Increased c-kit (CD117) expression in malignant mammary ...
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Mar 26, 2004 · c-kit is a proto-oncogene that encodes a tyrosine kinase receptor (CD117) and is a marker for bone marrow progenitor cells 7 and gastrointestinal stromal tumors. 8 The expression of c-kit in ...
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Author: Gary M K Tse, Thomas C Putti, Philip C ...
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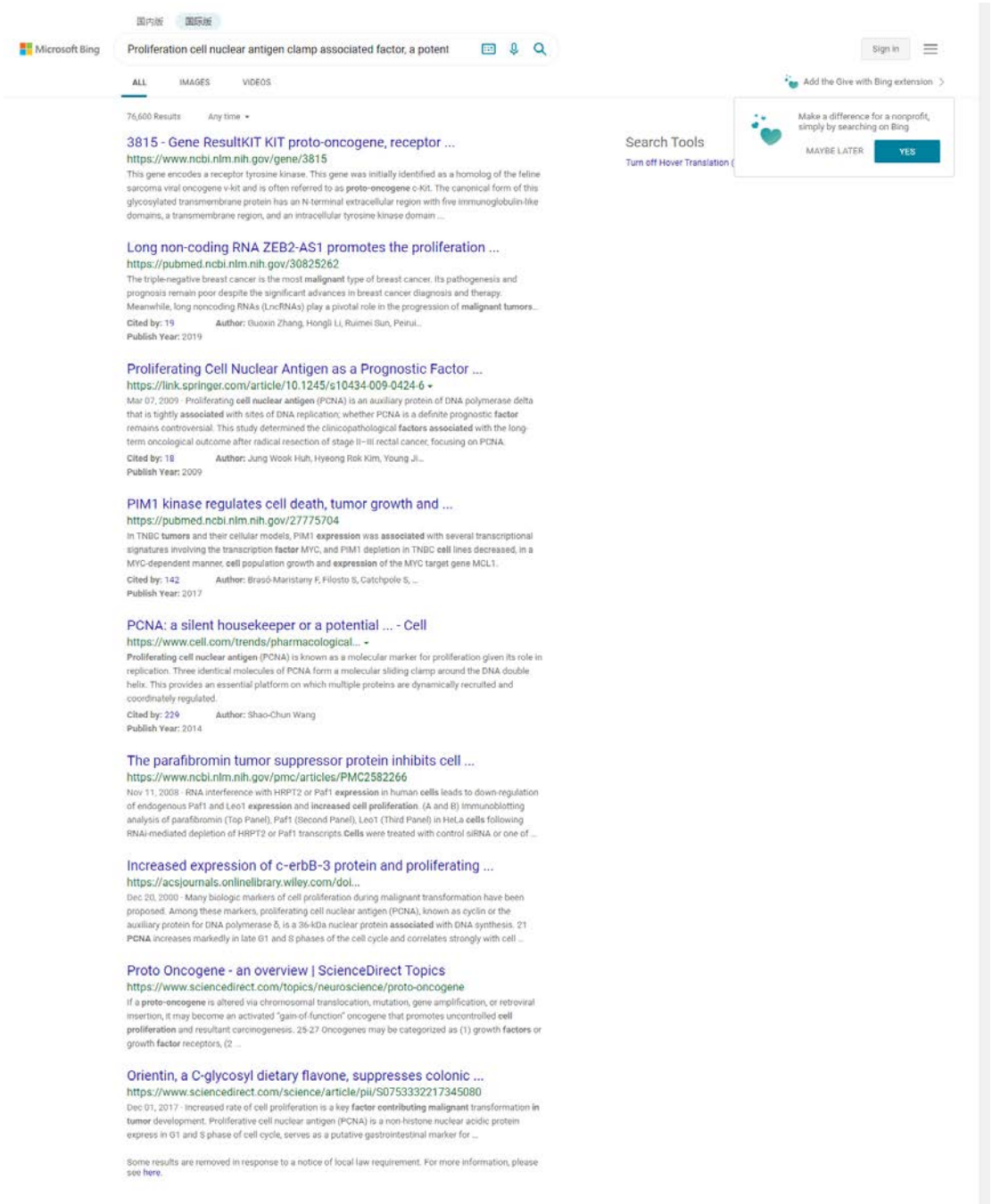
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Author: Guoxin Zhang, Hongli Li, Ruimei Sun, Peirui...
Publish Year: 2019
Proliferating Cell Nuclear Antigen as a Prognostic Factor ...
https://link.springer.com/article/10.1245/s10434-009-0424-6
Mar 07, 2009 · Proliferating cell nuclear antigen (PCNA) is an auxiliary protein of DNA polymerase delta that is tightly associated with sites of DNA replication; whether PCNA is a definite prognostic factor remains controversial. This study determined the clinicopathological factors associated with the long-term oncological outcome after radical resection of stage II–III rectal cancer, focusing on PCNA.
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Author: Jung Wook Huh, Hyeong Rok Kim, Young Ji...
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PIM1 kinase regulates cell death, tumor growth and ...
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In TNBC tumors and their cellular models, PIM1 expression was associated with several transcriptional signatures involving the transcription factor MYC, and PIM1 depletion in TNBC cell lines decreased, in a MYC-dependent manner, cell population growth and expression of the MYC target gene MCL1.
Cited by: 142
Author: Brasó-Maristany F, Filosto S, Catchpole S, ...
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PCNA: a silent housekeeper or a potential ... - Cell
https://www.cell.com/trends/pharmacological...
Proliferating cell nuclear antigen (PCNA) is known as a molecular marker for proliferation given its role in replication. Three identical molecules of PCNA form a molecular sliding clamp around the DNA double helix. This provides an essential platform on which multiple proteins are dynamically recruited and coordinately regulated.
Cited by: 229
Author: Shao-Chun Wang
Publish Year: 2014
The parafibromin tumor suppressor protein inhibits cell ...
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Nov 11, 2008 · RNA interference with HRPT2 or Paf1 expression in human cells leads to down-regulation of endogenous Paf1 and Leo1 expression and increased cell proliferation. (A and B) Immunoblotting analysis of parafibromin (Top Panel), Paf1 (Second Panel), Leo1 (Third Panel) in HeLa cells following RNAi-mediated depletion of HRPT2 or Paf1 transcripts. Cells were treated with control siRNA or one of ...
Increased expression of c-erbB-3 protein and proliferating ...
https://acsjournals.onlinelibrary.wiley.com/doi...
Dec 20, 2000 · Many biologic markers of cell proliferation during malignant transformation have been proposed. Among these markers, proliferating cell nuclear antigen (PCNA), known as cyclin or the auxiliary protein for DNA polymerase δ, is a 36-kDa nuclear protein associated with DNA synthesis. 21 PCNA increases markedly in late G1 and S phases of the cell cycle and correlates strongly with cell ...
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If a proto-oncogene is altered via chromosomal translocation, mutation, gene amplification, or retroviral insertion, it may become an activated "gain-of-function" oncogene that promotes uncontrolled cell proliferation and resultant carcinogenesis. 25-27 Oncogenes may be categorized as (1) growth factors or growth factor receptors, (2 ...
Orientin, a C-glycosyl dietary flavone, suppresses colonic ...
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Dec 01, 2017 · Increased rate of cell proliferation is a key factor contributing malignant transformation in tumor development. Proliferative cell nuclear antigen (PCNA) is a non-histone nuclear acidic protein express in G1 and S phase of cell cycle, serves as a putative gastrointestinal marker for ...
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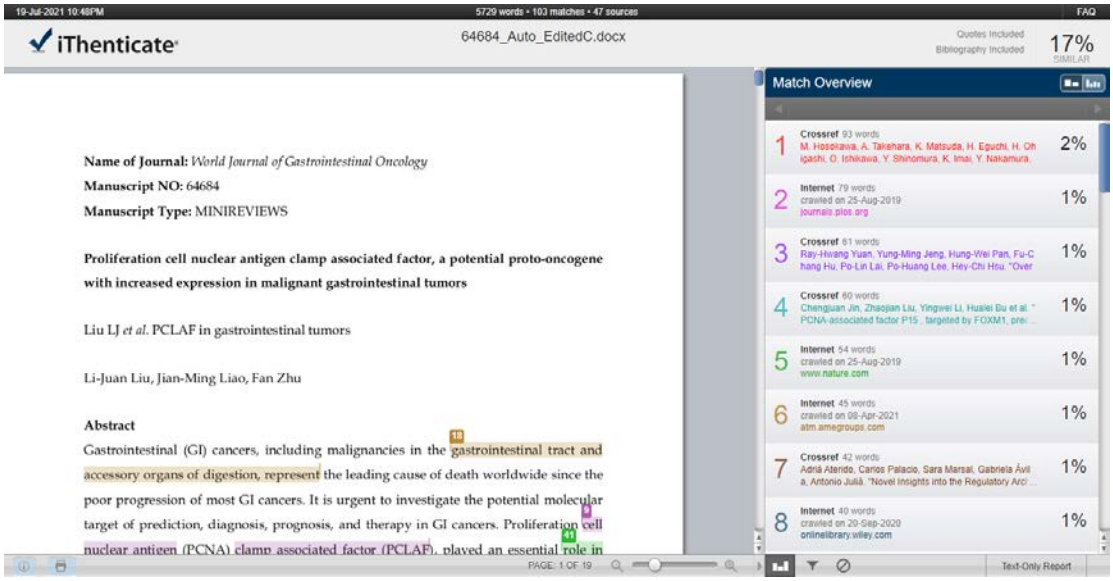
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Liu LJ et al. PCLAF in gastrointestinal tumors
Li-Juan Liu, Jian-Ming Liao, Fan Zhu
Abstract
Gastrointestinal (GI) cancers, including malignancies in the gastrointestinal tract and accessory organs of digestion, represent the leading cause of death worldwide since the poor progression of most GI cancers. It is urgent to investigate the potential molecular target of prediction, diagnosis, prognosis, and therapy in GI cancers. Proliferation cell nuclear antigen (PCNA) clamp associated factor (PCLAF), played an essential role in
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1026 - Gene ResultCDKN1A cyclin dependent kinase ...

https://www.ncbi.nlm.nih.gov/gene/1026

This protein can interact with **proliferating cell nuclear antigen,** a DNA polymerase accessory **factor, and** plays a regulatory role in S phase DNA replication and DNA damage repair. This protein was reported to be specifically cleaved by CASP3-like caspases, which thus leads to a dramatic activation of cyclin-dependent kinase2, and may be instrumental in the execution of apoptosis following caspase ...

PCNA: a silent housekeeper or a potential therapeutic ...

https://www.cell.com/trends/pharmacological...

The function of proliferating **cell nuclear antigen** (PCNA) is indispensable for the maintenance of genomic integrity and propagation in actively growing **cells**. PCNA was identified as the **antigen** to an autoimmune antibody produced in the sera of a group of patients with systemic lupus erythematosus [1]. This **antigen** was preferentially expressed in actively proliferative human cancer **cells** and ...

Cited by: 229 **Author:** Shao-Chun Wang
Publish Year: 2014

3845 - Gene ResultKRAS KRAS proto-oncogene, GTPase [...

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oncogenic KRas-induced increase in fluid-phase endocytosis has a key role during **cellular** transdifferentiation in pancreatic acinar cells. This result supports emerging evidence for endocytosis playing a crucial role in regulating the signaling output of the cells; High KRAS expression is **associated** with hepatocellular carcinoma.

High fat diet, gut microbiome and gastrointestinal cancer

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC8058730

Apr 03, 2021 · Gastric cancer. Many epidemiological studies have reported that dietary fat may be a risk **factor** for gastric cancer 18.Leptin is thought to play an important role in obesity-related **gastrointestinal** malignancies because of its role in angiogenesis, apoptosis, **cell proliferation** and **cell** migration 19.It has also been shown to promote mucin production and **gastrointestinal** tumor formation by ...

Author: Yao Tong, Huiru Gao, Qiuchen Qi, Xia... **Publish Year:** 2021

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