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Name of Journal: *World Journal of Gastroenterology*

Manuscript NO: 65462

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Basic Study

EZH2 contributes to apoptosis and inflammatory response by inactivating Janus kinase 2/signal transducers and activators of transcription signaling in inflammatory bowel disease

EZH2 in inflammatory bowel disease

Jie Zhou, Yang Yang, Yi-Ling Wang, Yue Zhao, Wen-Jing Ye, Si-Yao Deng, Jin-Yi Lang, Shun Lu

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Cited by: 11 **Author:** Y Wang, Y Wang, H Sun, H Sun, J Wang,...

Publish Year: 2016

Epigenetic regulation of cancer progression by EZH2: from ...

<https://biomarkerres.biomedcentral.com/articles/10.1186/s40364-018-0122-2>

Mar 09, 2018 · Enhancer of zeste homolog 2 (**EZH2**), a histone methyltransferase and a catalytic component of PRC2, catalyzes tri-methylation of histone H3 at Lys 27 (H3K27me3) to regulate gene...

Cited by: 124 **Author:** Lu Gan, Yanan Yang, Qian Li, Yi Feng, Ti...

Publish Year: 2018

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inhibitory protein SOCS3) and enhancer of zeste homolog 2 (EZH2), which methylates STAT3 to promote its constitutive activation. The net effect is to promote self-renewal, prevent apoptosis and

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<https://www.sciencedirect.com/science/article/pii/S1567576920324024>

Nov 01, 2020 · IL-6 mediates inflammatory signal transduction to resist TNBC apoptosis, which may be

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Apr 18, 2021 · MicroRNA-638 induces **apoptosis** and autophagy in human liver cancer cells by targeting **enhancer of zeste homolog 2** (EZH2). EZH2 overexpression dampens tumor-suppressive signals via an EGR1 silencer to drive breast tumorigenesis. LINC01133 and LINC01243 are positively correlated with endometrial carcinoma pathogenesis.

[Therapeutic potential of enhancer of zeste homolog 2 in ...](#)

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Enhancer of zeste homolog-2 (EZH2) is a methyltransferase that induces histone H3 lysine 27 trimethylation (H3K27me3) and functions as an oncogenic factor in many cancer types.

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[The Role of the Histone Methyltransferase Enhancer of ...](#)

<https://www.sciencedirect.com/science/article/pii/S0021925820402005>

Jan 13, 2017 · However, the importance of the histone methyltransferase **enhancer of Zeste homolog 2** (EZH2) in these processes has been recently recognized . EZH2, the catalytic subunit of the Polycomb repressive complex 2 (PRC2), is a histone methyltransferase (HMT) that catalyzes the methylation of