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Crossref 14 wordsBruce C Kone. "Nitric oxide synthesis in the kidney: isoform..., biosynthesis, and functions in health", *Seminars in Nephrol*

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Name of Journal: *World Journal of Gastroenterology*

Manuscript NO: 42697

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Post-translational modifications of prostaglandin-endoperoxide synthase 2 in colorectal cancer: An update

Jaén RI *et al.* PTGS2 in colorectal tumorigenesis

Rafael I Jaén, Patricia Prieto, Marta Casado, Paloma Martín-Sanz, Lisardo Bosca

Abstract

The biosynthesis of prostanoids is involved in both physiological and pathological processes. The expression of prostaglandin-endoperoxide synthase 2 (PTGS2; also known as COX-2) has been traditionally associated to the onset of several pathologies, from inflammation to cardiovascular, gastrointestinal and oncologic events. For this reason, the search of selective PTGS2 inhibitors has been a focus for therapeutic interventions. In addition to the classic non-steroidal anti-inflammatory drugs, selective and specific PTGS2 inhibitors, termed coxibs, have been generated and widely used. PTGS2 activity is less restrictive in terms of substrate specificity than the homeostatic counterpart PTGS1, and it accounts for the elevated prostanoid synthesis that accompanies several

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2018年2月2日 - A plentiful literature has linked **colorectal cancer** (CRC) to inflammation and **prostaglandin-endoperoxide synthase** (PTGS)**2** expression. ... an increased survival for patients with CRC assuming NSAIDs **after** diagnosis, but no ...

缺少字词: **translational modifications**

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PTGS2 **prostaglandin-endoperoxide synthase 2** [Homo sapiens (human)]. Gene ID: 5743, **updated** on 28-Oct-2018 and tumoral tissue before and **after** neoadjuvant chemoradiotherapy in patients with esophageal ... The polymorphism in the COX2 gene is associated with increased susceptibility to **colorectal cancer**, ...

PTGS2 - Prostaglandin G/H synthase 2 precursor - Ovis aries (Sheep ...

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In cancer cells, PTGS2 is a key step in the production of prostaglandin E2 ... of PTGS2 is also

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Ptgs2 prostaglandin-endoperoxide synthase 2 [(house mouse)]

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Aberrant regulation of this gene is associated with cancer progression in ... Gene ID: 19225, updated on 12-Aug-2018 ... prostaglandin G/H synthase 2, PGH synthase 2, cyclooxygenase-2, and Nr4A2- new therapeutic targets for colorectal cancers. posttranslational modification of histone H3 has a major effect on ...

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Translational Research PTGS2, prostaglandin-endoperoxide synthase 2; CRC, colorectal cancer. 95% CI 0.18–0.54) in chronically immunosuppressed, post-transplant patients. NSAIDs inhibit COX enzymes by 3 different mechanism: (1) covalent modification of a key residue; (2) competitive binding of catalytic site; ...

Prostaglandin-endoperoxide synthase 2 (PTGS2) gene ...

<https://academic.oup.com/carcin/article/27/6/1251/2391001> - [翻译此页](#)