

### [Roles of NGAL and MMP-9 in the tumor microenvironment ...](#)

<https://www.sciencedirect.com/science/article/pii/S0167488915002724>

Mar 01, 2016 · NGAL is also synthesized after various injuries, especially in kidney diseases . Serum NGAL levels correlate with severity of renal injury, which reflects the degree of tissue damage. NGAL has been proposed to be one of the most promising next-generation biomarkers in clinical nephrology . When NGAL is present in a complex with matrix metalloproteinase-9 (MMP-9), there is less degradation of MMP-9 due to the effects on NGAL ...

Cited by: 69

Author: Saverio Candido, Stephen L. Abrams, Lin...

Publish Year: 2016

### [\(PDF\) Neutrophil Gelatinase-Associated Lipocalin \(NGAL\): A ...](#)

<https://www.researchgate.net/publication/265163098...>

NGAL was positively correlated with MMP-9 (The correlation coefficient between NGAL and MMP-9 was 0.286). Conclusion: Our study suggested that NGAL and MMP-9 ...

#### PEOPLE ALSO ASK

How are prps2 and MMP - 9 used in colorectal cancer? ▾

Is there a link between MMP9 and breast cancer? ▾

How are FABP4 and MMP9 related to bladder cancer? ▾

How are Ngal and SMAD1 gene expression regulated? ▾

[Feedback](#)

### [Urinary ADAM12 and MMP-9/NGAL Complex Detect the ...](#)

<https://cancerpreventionresearch.aacrjournals.org/content/8/3/240> ▾

Mar 01, 2015 · Although the early diagnosis of gastric cancer provides the opportunity for curative endoscopic resection, comprehensive screening endoscopy would be invasive and expensive. To date, there is a complete absence of clinically useful gastric cancer biomarkers. With the goal of discovering noninvasive biomarkers for the early diagnosis of gastric cancer, we have conducted a case-control ...

Cited by: 22

Author: Takaya Shimura, Adelle Dagher, Monisha...

ALL IMAGES VIDEOS

12,900 Results Any time ▾

**Role of neutrophil gelatinase-associated lipocalin in ...**<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7798090>

Dec 24, 2020 · Human neutrophil gelatinase-associated lipocalin (NGAL) is a glycoprotein present in a wide variety of tissues and cell types. It exists as a monomer of 25 kDa, a homodimer of 45 kDa or a heterodimer of 135 kDa (disulfide bound to latent matrix metalloproteinase-9).

Author: Kai Che, Wenkai Han, Mingxin Zhang, H... Publish Year: 2020

## Search Tools

Turn off Hover Translation (关闭翻译)

**Neutrophil gelatinase-associated lipocalin: new paths for ...**<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2361391>

The high molecular weight urinary matrix metalloproteinase (MMP) activity is a complex of gelatinase B/MMP-9 and neutrophil gelatinase-associated lipocalin (NGAL) J Biol Chem. 2001; 276:37258-37265.

Cited by: 96 Author: Prasad Devarajan

Publish Year: 2007

**Neutrophil gelatinase-associated lipocalin protein as a ...**<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3917029>

Mar 27, 2013 · Neutrophil gelatinase-associated lipocalin (NGAL) also known as lipocalin 2 is a 25-kDa glycoprotein, which was originally identified as a covalent complex with matrix metalloproteinase-9 (MMP-9) in human neutrophil (6,7). NGAL has recently been investigated in a variety of physiological and pathological conditions.

Cited by: 11 Author: Yu Wang, Tingting Zeng

Publish Year: 2013

**Diagnostic and prognostic value of neutrophil gelatinase ...**<https://ccforum.biomedcentral.com/articles/10.1186/s13054-014-0634-6>

Nov 19, 2014 · Neutrophil gelatinase-associated lipocalin (NGAL), matrix metalloproteinase-9 (MMP-9) and tissue inhibitor of matrix metalloproteinase-1 (TIMP-1) levels in survivors and non-survivors for 28-day mortality in systemic inflammatory response syndrome (SIRS) and septic patients.

Cited by: 61 Author: Miaomiao Wang, Qian Zhang, Xin Zhao, Gui...

Publish Year: 2014 Estimated Reading Time: 6 mins


**Diagnostic and prognostic value of neutrophil gelatinase ...**[europepmc.org/articles/PMC4258267](http://europepmc.org/articles/PMC4258267)

Neutrophil gelatinase-associated lipocalin (NGAL), matrix metalloproteinase-9 (MMP-9) and tissue inhibitor of matrix metalloproteinase-1 (TIMP-1) levels in survivors and non-survivors for 28-day mortality in systemic inflammatory response syndrome (SIRS)...

30-Jun-2021 06:49PM

4819 words • 12 matches • 11 sources

FAQ

 iThenticate

63349\_Auto\_Edited-check.docx

Quotes Excluded  
Bibliography Excluded

3%  
Similarity

**Name of Journal:** *World Journal of Gastrointestinal Oncology*

**Manuscript NO:** 63349

**Manuscript Type:** ORIGINAL ARTICLE

**Basic Study**

Combination of neutrophil gelatinase-associated lipocalin and matrix metalloproteinase-9 are promising biomarkers for the early detection of tubular adenocarcinoma of the colon

Yuan JH *et al.* NGAL and MMP9 for tubular adenocarcinoma of the colon

Jun-Hua Yuan, Li-Shuang Xie, Yu-Hua Zhu, Xiao-Hua Wang, Yi-Jing Zhang, Xiao-Jun Wang

**Abstract**

**BACKGROUND**

Tubular adenocarcinoma of the colon, which originates from the epithelium of the glands, is a major health concern worldwide. However, it is difficult to detect in an

**Match Overview**

1	Internet 30 words crawled on 11-Apr-2016 <a href="#">ar.ijournals.org</a>	1%
2	Crossref 11 words José Manuel Ruiz-Morales, Rita Dorantes-Heredia, Oscar Aranda, Norberto G. Chávez-Tapia, Daniel Morota-Kuba	<1%
3	Internet 11 words crawled on 11-Jun-2021 <a href="#">portlandpress.com</a>	<1%
4	Internet 11 words crawled on 19-Oct-2020 <a href="#">www.scribd.fr</a>	<1%
5	Internet 11 words crawled on 21-May-2020 <a href="#">www.tandfonline.com</a>	<1%
6	Crossref 10 words Jing Du, Yanchun Li, Lei Wang, Yangqiang Zhou, Yuhuan Shen, Fei Xu, Yongjian Chen. "Selective application of ne	<1%
7	Crossref 10 words Masad Ashrafzadeh, Ali Zamrati, Kiavash Hushmandi, Farid Hashemi et al. "Progress in Natural Compounds/siRN	<1%
8	Crossref 10 words Mingqiang Xie, Yehua Sun, Yan Li. "Expression of Matrix Metalloproteinases in Supraglottic Carcinoma and Its Clin	<1%
9	Internet 10 words crawled on 07-Feb-2021 <a href="#">cancerbiomedcentral.com</a>	<1%
10	Internet 10 words 激活 Windows. 转到“设置”以激活 Windows.	<1%

PAGE: 1 OF 17

Test Only Report

国内版

国际版

Combination of neutrophil gelatinase-associated lipocalin and mat



ALL

IMAGES

VIDEOS

4,640 Results

Any time ▾

### Neutrophil gelatinase-associated lipocalin: new paths for ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2361391>

The high molecular weight urinary matrix metalloproteinase (MMP) activity is a complex of gelatinase B/MMP-9 and neutrophil gelatinase-associated lipocalin (NGAL) J Biol Chem. 2001; 276:37258–37265.

Cited by: 96

Author: Prasad Devarajan

Publish Year: 2007

### Role of neutrophil gelatinase-associated lipocalin in ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7798090>

Dec 24, 2020 · Neutrophil gelatinase-associated lipocalin (NGAL), also known as lipocalin 2 (LCN2), belongs to the apolipoprotein superfamily. NGAL is a 25-kDa secreted glycoprotein that was first discovered by Kjeldsen et al in 1993 while studying matrix metalloproteinase-9 (MMP-9) in the specific granules of neutrophils.

Author: Kai Che, Wenkai Han, Mingxin Zhang,... Publish Year: 2020

### Neutrophil gelatinase-associated lipocalin protein as a ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3917029>

Mar 27, 2013 · Neutrophil gelatinase-associated lipocalin (NGAL) also known as lipocalin 2 is a 25-kDa glycoprotein, which was originally identified as a covalent complex with matrix metalloproteinase-9 (MMP-9) in human neutrophil (6,7). NGAL has recently been investigated in a variety of physiological and pathological conditions.

Cited by: 11

Author: Yu Wang, Tingting Zeng

Publish Year: 2013

### Diagnostic and prognostic value of neutrophil gelatinase ...

<https://ccforum.biomedcentral.com/articles/10.1186/s13054-014-0634-6> ▾

Nov 19, 2014 · Neutrophil gelatinase-associated lipocalin (NGAL), matrix metalloproteinase-9 (MMP-9) and tissue inhibitor of matrix metalloproteinase-1 (TIMP-1) levels in survivors and non-survivors for 28-day mortality in systemic inflammatory response syndrome (SIRS) and septic patients. Lines denote median values, boxes represent 25th to 75th percentiles and whiskers indicate the range.

Cited by: 61

Author: Miaomiao Wang, Qian Zhang, Xin Zhao, ...

Publish Year: 2014 Estimated Reading Time: 8 mins