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*Basic Study*

NKX6.3 protects against gastric mucosal atrophy by downregulating  $\beta$ -amyloid production

Yoon JH *et al.* NKX6.3 inhibits  $\beta$ -amyloid production

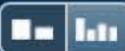
Jung Hwan Yoon, Yeon Soo Lee, <sup>19</sup>Olga Kim, Hassan Ashktorab, Duane T Smoot, Suk Woo Nam, Won Sang Park

**Abstract**

**BACKGROUND**

Atrophic gastritis is characterized by loss of appropriate glands and reduction in gastric secretory function due to chronic inflammatory processes in gastric mucosa. Moreover, atrophic gastritis is considered as a precancerous condition of gastric cancer. However, little is known about the molecular mechanism underlying gastric mucosal atrophy and its contribution to gastric carcinogenesis. Thus, we hypothesized that transcription factor NKX6.3 might be involved in maintaining gastric epithelial homeostasis by regulating amyloid  $\beta$  (A $\beta$ ) production.

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## Omega-3 Polyunsaturated Fatty Acids Intake to Regulate Helicobacter

...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4538587/> ▾ 翻译此页

作者: JM Park - 2015 - 被引用次数: 11 - 相关文章

2015年8月3日 - Particularly, n-3 PUFAs are shown to have protective effects against chronic ... injury, and reduced the accumulation of  $\beta$ -amyloid in Alzheimer's disease [38–40] . ... fatty acid composition. n-3 PUFAs indirectly reduce the production of ... n-6 PUFAs from LA in rat gastric mucosal cells after H. pylori infection.

缺少字词: nkx6 atrophy

## Amyloid- $\beta$ Peptide Protects Against Microbial Infection In Mouse and ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5505565/> - 翻译此页

作者: DKV Kumar - 2016 - 被引用次数: 243 - 相关文章

The amyloid- $\beta$  peptide (A $\beta$ ) is a key protein in Alzheimer's disease (AD) pathology. ... We present in vivo data showing A $\beta$  expression protects against fungal and bacterial .... For survival and clinical analysis (A to C) data were pooled from three ..... Candida albicans lack flagella and are not reported to produce extended ...

缺少字词: nkx6 gastric atrophy downregulating

## Inflammation, atrophy, and gastric cancer - NCBI - NIH

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC1716216/> ▾ 翻译此页

作者: JG Fox - 2007 - 被引用次数: 726 - 相关文章

2006年12月1日 - Although gastric atrophy and intestinal metaplasia are distinct steps in the pathway, ... The mechanisms of protection from gastric cancer development include a .... The risk of developing gastric cancer is increased up to 3-fold in ... mucous droplets occasionally forming goblet cells, and production of mixed ...

缺少字词: nkx6 downregulating amyloid

## Medscape | PLoS One - Publication Information

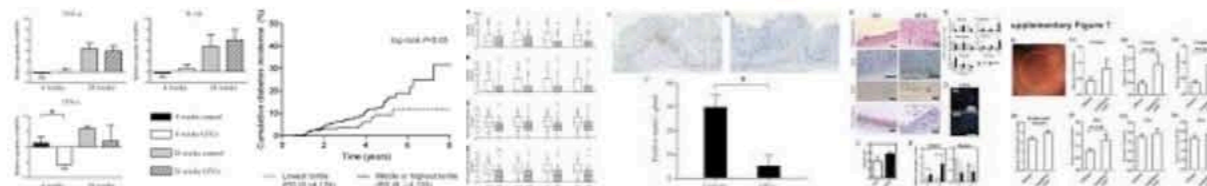
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## Review of Atrophic Gastritis and Intestinal Metaplasia as a ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4384712/> [▼ 翻译此页](#)作者: YH Park - 2015 - 被引用次数: 102 - [相关文章](#)

The enhanced **production** of free radicals by chronic H. pylori infection .... 3).63 The histological features of the **gastric** mucosa were recorded using ... **Atrophy** is defined as loss of appropriate glands (with or without metaplasia). ... However, atrophic **mucosal** changes are not distributed similarly in whole **gastric** mucosa.

缺少字词: nkx6 protects downregulating amyloid

## The Impact of Gastric Atrophy on the Incidence of Diabetes - NCBI - NIH

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5206635/> [▼ 翻译此页](#)作者: TY Yu - 2017 - 被引用次数: 1 - [相关文章](#)

Published online 2017 Jan 3. doi: 10.1038/srep39777 .... with age, H. pylori IgG titer, HOMA2-IR, and HOMA2%B. When **gastric atrophy** is ... **Gastric atrophy** is characterized by chronic inflammation of **gastric** mucosa with loss of **gastric** glandular cells. .... PG I, serum PG II, serum PG I/II ratio and the **gastric mucosal** histology.

缺少字词: nkx6 protects downregulating amyloid

## Publications - Search - Choi E.K. - neXtProt

<https://www.nextprot.org/publications/search/Choi%20E.K.>**Gastric** Cancer 20, 438-447 (2017) [Full text:10.1007/s10120-016-0623-3] Treatment with 4-PBA

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### Review of Atrophic Gastritis and Intestinal Metaplasia as a ...

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作者: YH Park - 2015 - 被引用次数: 102 - 相关文章

The enhanced **production** of free radicals by chronic *H. pylori* infection .... 3).63 The histological features of the **gastric** mucosa were recorded using ... **Atrophy** is defined as loss of appropriate glands (with or without metaplasia). ... However, atrophic **mucosal** changes are not distributed similarly in whole **gastric** mucosa.

缺少字词: nkx6 protects downregulating amyloid

### Endoscopic gastric atrophy is strongly associated with gastric cancer ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5411409/> - 翻译此页

作者: O Toyoshima - 2017 - 被引用次数: 11 - 相关文章

2016年9月7日 - Patients diagnosed as having **gastric** neoplasia (category 3, 4, or 5 according to the ... Biopsy specimens were taken **from** lesions suspected to be **gastric** cancer or other major **gastric** ... **Gastric mucosal atrophy** was evaluated according to the ... **B** The endoscopic-atrophic-border is indicated by a dotted line.

缺少字词: nkx6 protects downregulating amyloid production

### Publications - Search - Choi E.K. - neXtProt

<https://www.nextprot.org/publications/search/Choi%20E.K.>

**Gastric** Cancer 20, 438-447 (2017) [Full text:10.1007/s10120-016-0623-3] .... Treatment with 4-PBA not only **protected against** the GCD2 cell death induced by ER ..... the trafficking and processing of A $\beta$ PP and affects **amyloid- $\beta$  (A $\beta$ ) production**. .... Thus, these data suggest that **NKX6.3** may control the fate of **gastric mucosal** ...

### What is Atrophic Gastritis? Causes, Risk Factors & Symptoms

<https://www.healthline.com/health/atrophic-gastritis>  翻译此页

2017年4月26日 - Atrophic gastritis is an inflammation of the **stomach**. ... The bacteria disrupt the barrier of mucus that **protects** your **stomach** lining **from** the acidic juices ... the **production** of **stomach** acid; low levels of **B-12** (for people who may ...

缺少字词: nkx6.3 downregulating amyloid