



33256-Review

Quotes Included  
Bibliography Included17%  
SIMILAR

1 **1** Name of Journal: *World Journal of Diabetes*  
2 **ESPS Manuscript NO:** 33256  
3 **Manuscript Type:** Original Article  
4  
5 *Basic Study*  
6 Expression of matrix metalloproteinase-11 is increased under conditions of  
7 insulin resistance  
8  
9 Biagio Arcidiacono, Eusebio Chiefari, Anna Elisa Laria, Sebastiano Messineo,  
10 Francesco Luciano Bilotta, Domenico Britti, Daniela Patrizia Foti, Anna  
11 Foryst-Ludwig, Ulrich Kintscher, Antonio Brunetti  
12  
13 **Abstract**  
14 **AIM:** To investigate MMP-11 expression in adipose tissue dysfunction, using *in*  
15 *vitro* and *in vivo* models of insulin resistance.  
16 **METHODS:** Culture of mouse 3T3-L1 preadipocytes were induced to  
17 differentiation into mature 3T3-L1 adipocytes. Cellular insulin resistance was  
18 induced by treating differentiated cultured adipocytes with hypoxia and/or  
19 TNF- $\alpha$ , and transcriptional changes were analyzed in each condition thereafter.  
20 For the *in vivo* studies, MMP-11 expression levels were measured in white  
21 adipose tissue (WAT) from C57BL/6J mice that underwent low fat diet or high-  
22 fat feeding in order to induce obesity and obesity-related insulin resistance.  
23 Statistical analysis was carried out with GraphPad Prism Software.

## Match Overview

- | Match Number | Source   | Words     | Matched Words | Percentage |
|--------------|--|-----------|---------------|------------|
| 1            | Internet   | 139 words | 5 words       | 4%         |
|              | crawled on 03-Dec-2016<br><a href="http://office.wjnet.com">office.wjnet.com</a>                                     |           |               |            |
| 2            | Crossref   | 45 words  | 4 words       | 1%         |
|              | Bohm, C., V. Benz, M. Clemenz, C. Sprang, B. Höft, U. Kintscher, and A. Foryst-Ludwig. "Sexual Dimorphism in Obe ... |           |               |            |
| 3            | Internet   | 41 words  | 4 words       | 1%         |
|              | crawled on 17-Oct-2016<br><a href="http://spandidos-publications.com">spandidos-publications.com</a>                 |           |               |            |
| 4            | Internet   | 31 words  | 3 words       | 1%         |
|              | crawled on 22-Dec-2016<br><a href="http://pdfs.semanticscholar.org">pdfs.semanticscholar.org</a>                     |           |               |            |
| 5            | Internet   | 31 words  | 3 words       | 1%         |
|              | crawled on 20-Dec-2016<br><a href="http://journal.frontiersin.org">journal.frontiersin.org</a>                       |           |               |            |
| 6            | Internet   | 28 words  | 3 words       | 1%         |
|              | crawled on 28-Nov-2009   |           |               |            |



Expression of matrix metalloproteinase-11 (MMP-11) is increased under cc



全部

新闻

图片

视频

更多

设置

工具

找到约 4,430,000 条结果 (用时 0.91 秒)

## Google 学术: Expression of matrix metalloproteinase-11 (MMP-11) is increased under conditions of insulin resistance

... respond to insulin in adipocytes made insulin-resistant ... - Sartipy - 被引用次数: 80

Paracrine and endocrine effects of adipose tissue on ... - Park - 被引用次数: 131

... in host mice deficient for the stromelysin-3 matrix ... - Boulay - 被引用次数: 139

## Matrix metalloproteinase 11 protects from diabetes and ... - NCBI - NIH

<https://www.ncbi.nlm.nih.gov> > NCBI > Literature > PubMed Central (PMC) - 翻译此页

作者: N Dali-Youcef - 2016 - 相关文章

2016年4月29日 - Matrix metalloproteinase 11 (MMP11; previously named stromelysin-3) ... glucose levels, Mmp11-Tg mice exhibited enhanced glucose tolerance and insulin sensitivity compared to WT mice under normal diet conditions (Fig. 1c). ... Consistently, increased expression of the metabolic regulator and late BAT ...

## Expression of CD147 and matrix metalloproteinase-11 in colorectal ...

<https://www.ncbi.nlm.nih.gov> > NCBI > Literature > PubMed Central (PMC) - 翻译此页

作者: X Tian - 2015 - 被引用次数: 10 - 相关文章

2015年10月27日 - The protein expression of CD147 and MMP-11 in CRC specimens and corresponding ... Its incidence has been increasing in China in recent years. ... the degradation of serine protease inhibitors, a 1-antitrypsin and insulin-like growth ... CD147, also known as extracellular matrix metalloproteinase inducer ...





Expression of matrix metalloproteinase-11 (MMP-11) is increased under



全部

新闻

图片

视频

购物

更多

设置

工具

找到约 5,950,000 条结果 (用时 0.85 秒)

Google 学术: Expression of matrix metalloproteinase-11 (MMP-11) is increased under conditions of insulin resistance

... respond to insulin in adipocytes made insulin-resistant ... - Sartipy - 被引用次数: 82

Paracrine and endocrine effects of adipose tissue on ... - Park - 被引用次数: 135

... in host mice deficient for the stromelysin-3 matrix ... - Boulay - 被引用次数: 141

Matrix metalloproteinase 11 protects from diabetes and ... - Nature

[www.nature.com](http://www.nature.com) > Scientific Reports > Articles - 翻译此页

作者: N Dali-Youcef - 2016 - 相关文章

2016年4月29日 - Matrix metalloproteinase 11 (MMP11; previously named stromelysin-3) ... glucose levels, Mmp11-Tg mice exhibited enhanced glucose tolerance and insulin sensitivity compared to WT mice under normal diet conditions (Fig. 1c). ... Consistently, increased expression of the metabolic regulator and late BAT ...

Expression of CD147 and matrix metalloproteinase-11 in colorectal ...

<https://www.ncbi.nlm.nih.gov> > NCBI > Literature > PubMed Central (PMC) - 翻译此页

作者: X Tian - 2015 - 被引用次数: 11 - 相关文章

2015年10月27日 - The protein expression of CD147 and MMP-11 in CRC specimens and corresponding ... Its incidence has been increasing in China in recent years. ... the degradation of serine protease inhibitors, a

[全部](#)[新闻](#)[图片](#)[视频](#)[购物](#)[更多](#)[设置](#)[工具](#)

找到约 4,550,000 条结果 (用时 0.67 秒)

### Matrix metalloproteinase 11 protects from diabetes and promotes ...

<https://www.nature.com/scientificreports/articles> - 翻译此页

作者: N Dali-Youcef - 2016 - 相关文章

2016年4月29日 - Strikingly, **MMP11** overexpression protects against type 2 **diabetes** while .... **insulin sensitivity** compared to WT mice **under** normal diet **conditions** (Fig. ... Consistently, **increased expression** of the metabolic regulator and late ...

### Insulin augments matrix metalloproteinase-9 expression in monocytes ...

[cardiovascres.oxfordjournals.org/content/73/4/841.full](http://cardiovascres.oxfordjournals.org/content/73/4/841.full) - 翻译此页

作者: A Fischeoeder - 2007 - 被引用次数: 34 - 相关文章

2007年3月1日 - ... Self-Archiving Policy - Dispatch Dates - Terms and **Conditions** .... Methods and results: Stimulation of **MMP-9 expression** by insulin was ... are **increased** in patients with **insulin resistance/type 2 diabetes** [13,14], ... **TNF-α** was from TEBU (FRG) and **angiotensin II** and insulin were purchased from Sigma.

### Elastin-Derived Peptides Are New Regulators of Insulin Resistance ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3806616/> - 翻译此页

作者: S Blaise - 2013 - 被引用次数: 25 - 相关文章

2013年10月18日 - Recently, **insulin resistance** (IRES) has been linked to **expression** of ... C57Bl/6J male mice, aged 8 weeks, were maintained **under** standard laboratory **conditions** and then ... The greatest efficacy of **kE** in **increasing** glycemia was also ..... **Matrix metalloproteinase-11/stromelysin-3** exhibits collagenolytic ...

### Inhibition of matrix metalloproteinase-2 improves endothelial function ...

[onlinelibrary.wiley.com/doi/10.1111/j.1476-5381.2011.01583.x/pdf](http://onlinelibrary.wiley.com/doi/10.1111/j.1476-5381.2011.01583.x/pdf) - 翻译此页

作者: PR Nagareddy - 2012 - 被引用次数: 22 - 相关文章

2011年6月29日 - myosin light chain **II** in **insulin resistant** vascular smooth muscle cells. .... PAGE (**under**