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Administration of GLP-2 or a degradation-resistant analogue h[Gly2]GLP-2 has been shown to attenuate intestinal injury in a number of preclinical models of acute disease, including necrotizing pancreatitis 119, burn injury 120, and ischemia-reperfusion injury 121.

Cited by: 22Author: Jessica A. Dominguez, Craig M. Coopers...

Publish Year: 2010

Organ-organ communication: The liver's perspective

<https://thno.org/v11p3317.htm>

Jan 16, 2021 · Serum Angiotensin-like peptide 4 levels in patients with hepatic steatosis. Cytokine. 2018;111:496-9 63. Wang X, Chen X, Zhang H, Pang J, Lin J, Xu X. et al. Circulating retinol-binding protein 4 is associated with the development and regression of non-alcoholic fatty liver disease. Diabetes Metab. 2020;46:119-28 64.

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europaemc.org/articles/PMC5819309

Feb 12, 2018 - Angiotensin-like 4 (ANGPTL4) is neuroprotective when administered acutely for the treatment of cerebral ischemia. The aim of the present study was to evaluate the preventive effects of ANGPTL4 on the formation of brain edema and to determine whether it promotes the recovery of neurological function following intracerebral hemorrhage (ICH).

Author: Qiu Z

Recombinant Human MFG-E8 Attenuates Intestinal Injury and ...

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3466304

Oct 08, 2012 - The recombinant protein was greater than 99% pure. ... rMFG-E8 preserves intestinal structure and function after I/R. ... Zhou M, et al. (2010) Milk fat globule epidermal growth factor 8 attenuates acute lung injury in mice after intestinal ischemia and reperfusion. Am J Respir Crit Care Med 181: 238-246 [PMC free article] ...

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Author: Michael A. Ajakaiye, Asha Jacob, Rongqian..

Publish Year: 2012

[PDF] Tongxinluo attenuates reperfusion injury in diabetic ...

https://www.semanticscholar.org/paper/Tongxinluo...

Objective Endothelial barrier function in the onset and Tongxinluo (TXL) protection of myocardial ischemia/reperfusion (I/R) injury, and TXL can induce the secretion of Angiotensin-like 4 (Angptl4) in human cardiac microvascular endothelial cells during hypoxia/reoxygenation. We intend to demonstrate whether TXL can attenuate myocardial I/R injury in diabetes, characterized with microvascular ...

Recombinant human MFG-E8 attenuates intestinal injury and ...

europaemc.org/abstract/MED/23056336

Oct 08, 2012 - Recombinant human MFG-E8 attenuates intestinal injury and mortality in severe whole body irradiation in rats. Michael A. Ajakaiye Center for Immunology and Inflammation, The Feinstein Institute for Medical Research, and Department of Surgery, Hofstra North Shore-LIJ School of Medicine, Manhasset, New York, USA.

Bactericidal/Permeability-Increasing Protein Attenuates ...

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC1422011

2-4 Previous work has shown the central role for ischemia-reperfusion (I/R) injury in pathogenesis. Reperfusion of the ischemic lower torso initiates a systemic inflammatory response syndrome characterized by proinflammatory cytokine 3,5 and increased circulating polymorphonuclear leukocyte (PMN) activation.

Cited by: 22

Author: Denis W. Harkin, Aires A. B. Barros D'Sa, Ke..

Publish Year: 2001

Activated Protein C Attenuates Intestinal Mucosal Injury ...

https://www.sciencedirect.com/science/article/pii/S0022480407006166

Oct 01, 2008 - The intestine is one of the most sensitive tissues to ischemia-reperfusion (I/R) injury. Ischemia itself causes tissue damage, but further injury occurs when the blood flow to ischemic tissue is restored in an attempt to maintain cell function and viability.

[PDF] Ghrelin attenuates intestinal ischemia/reperfusion injury ...

https://www.spandidos-publications.com/10.3892/jmm.2013.1452/download

Intestinal ischemia/reperfusion (I/R) injury is a serious condition in intensive care patients, resulting in severe inflammation and remote organ damage. The activation of the mammalian target of rapamycin (mTOR)/p70 ribosomal S6 kinase (p70S6K) signaling pathway exerts protective effect against ischemia/reperfusion injury. Ghrelin, an orexigenic

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**Manuscript NO:** 67394

**Manuscript Type:** ORIGINAL ARTICLE

**Basic Study**

**Recombinant angiopoietin-like protein 4 attenuates intestinal barrier structure and function injury after ischemia/reperfusion**

Wang ZY *et al.* ANGPTL4 is pivotal in intestinal protection

Zi-Yi Wang, Jian-Yu Lin, Yang-Rong Feng, De-Shun Liu, Xu-Zi Zhao, Tong Li, Si-Yuan Li, Jing-Chao Sun, Shu-Feng Li, Wen-Yan Jia, Hui-Rong Jing

**Abstract**

**BACKGROUND**

Intestinal barrier breakdown, an often-occurring complication of intestinal ischemia-

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Oct 08, 2012 · The recombinant protein was greater than 99% pure, ... rhMFG-E8 preserves **intestinal structure and function** after WBI. ... Zhou M, et al. (2010) Milk fat globule epidermal growth factor 8 **attenuates acute lung injury** in mice after **intestinal** ischemia and reperfusion. Am J Respir Crit Care Med 181: 238–246 [PMC free article] ...

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Author: Michael A. Ajakaiye, Asha Jacob, Rongqi...

Publish Year: 2012

### [Tongxinluo attenuates reperfusion injury in diabetic ...](#)

[europepmc.org/abstract/MED/29912977](https://europepmc.org/abstract/MED/29912977) ▾

Jun 18, 2018 · OBJECTIVE:Endothelial barrier function in the onset and Tongxinluo (TXL) **protection of myocardial ischemia/reperfusion (I/R) injury**, and TXL can induce the **secretion of Angiopoietin-like 4 (Angptl4)** in human cardiac microvascular endothelial cells during hypoxia/reoxygenation.

### [\[PDF\] Tongxinluo attenuates reperfusion injury in diabetic ...](#)

<https://www.semanticscholar.org/paper/Tongxinluo...>

Objective Endothelial **barrier function** in the onset and Tongxinluo (TXL) protection of myocardial **ischemia/reperfusion (I/R) injury**, and TXL can induce the secretion of **Angiopoietin-like 4 (Angptl4)** in human cardiac microvascular endothelial cells during hypoxia/reoxygenation. We intend to demonstrate whether TXL can attenuate myocardial I/R **injury** in diabetes, characterized with microvascular ...

### [Inhibition of regulated necrosis attenuates receptor ...](#)

<https://pubmed.ncbi.nlm.nih.gov/29907500>

Background: Increasing evidence indicates that regulated necrosis plays a critical role during cell death caused by **ischemia-reperfusion (IR) injury**. Necroptosis is one form of regulated necrosis. Necrostatin-1 (Nec-1), an inhibitor of receptor-interacting protein kinase 1 (RIPK1), is known to reduce necroptosis.

Cited by: 24

Author: Takashi Kanou, Akihiro Ohsumi, Hyunhee...

Publish Year: 2018

### [Well-Known and Less Well-Known Functions of Alpha-1 ...](#)

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