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Basic Study

Cytoplasmic domain of tissue factor promotes liver fibrosis in mice

Knight V *et al.* Tissue factor and liver fibrosis

Virginia Knight, Dinushka Lourenz, Jorge Tchongue, Jeanne Correia, Peter Tipping, William Sievert

Abstract

AIM

To evaluate the role of tissue factor (TF) and protease activated receptor (PAR)-2 in liver fibrosis.

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Tissue Factor Pathways linking obesity and inflammation - NCBI - NIH

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作者: W Ruf - 2015 - 被引用次数: 12 - 相关文章

2015年1月27日 - In the liver of mice on a high fat diet, PAR2 signaling increases transcripts of ... signaling functions promote weight gain and adipose tissue inflammation. ... kinase recruitment motifs in the cytoplasmic domain that instead is involved in condition of steatohepatitis that can progress to fibrosis and cirrhosis.

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[Tissue factor- and factor X-dependent activation of protease ...](#)

www.pnas.org/content/97/10/5255.abstract

9 May 2000 ... Targeting **Liver Fibrosis** with a Cell-penetrating Protease-activated Receptor-2 (PAR2) ... in a **mouse** model of sickle cell disease Blood 2014 123 (11) 1747- 1756 ... **Tissue factor promotes** activation of coagulation and inflammation in a **mouse** **Tissue Factor Cytoplasmic Domain** Stimulates Migration by ...

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TGF- β signaling and the fibrotic response

A Leask, DJ Abraham - The FASEB Journal, 2004 - FASEB

... The TGF- β superfamily consists of a diverse range of proteins that regulate many different physiological ... 1 (CDMP-1), is structurally related to BMPs and induces cartilage-like tissue in vivo. ... to ROC1-SCF(Fbw1a) is then exported from the nucleus to the cytoplasm for degradation ...

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AM Gressner, R Weiskirchen, K Breitkopf, S Dooley - Front Biosci, 2002 - researchgate.net

... Smad2 is recognized and directed by the SARA Smad binding domain to the ... ligand binding, the TGF-beta type II receptor kinases phosphorylate cytoplasmic domains and thereby ... Furthermore, induction of cytosolic tissue transglutaminase was directly linked to TGF-beta 1 ...

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Pathogenesis of liver fibrosis

V Hernandez-Gea, SL Friedman - Annual review of pathology: ..., 2011 - annualreviews.org

... the prototypical mesenchymal cell type regulating repair following injury in a range of tissues ... the STAT proteins (STAT1-6) at their phosphotyrosine-binding SH2 domain allows the ... In their perisinusoidal orientation, HSCs, which contain extensive long cytoplasmic foot processes ...

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Myofibroblasts. I. Paracrine cells important in health and disease

DW Powell, RC Miffilin, JD Valentich... - American Journal of ..., 1999 - Am Physiological Soc

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[HTML] physiology.org

[HTML] Formation and function of the myofibroblast during tissue repair

B Hinz - Journal of Investigative Dermatology, 2007 - Elsevier

... These in vivo stress fibers are first composed of cytoplasmic actins and generate ... fibroblasts that are devoid of any contractile apparatus in most intact tissues (Tomasek et ... pathological wound healing, however, myofibroblast activity persists and leads to tissue deformation, which ...

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Human fatty liver disease: old questions and new insights

JC Cohen, JD Horton, HH Hobbs - Science, 2011 - science.sciencemag.org

... by the deposition of TG as lipid droplets in the cytoplasm of hepatocytes. ... of this transporter accelerates malate-citrate exchange, resulting in an increase in cytoplasmic citrate, which ... mutation [Ile 148 \rightarrow Met 148 (I148M)] in patatin-like phospholipase domain-containing (PNPLA ...

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