

[Hypoxia Inducible Factor-1 \$\alpha\$  Regulates the Migration of ...](#)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4736322>

1. Introduction. Mesenchymal stem cells (MSCs) are adult multipotent stem cells capable of differentiation into cells originating from any of the three germ layers, that is, the endoderm, mesoderm, and ectoderm []. Bone marrow is an abundant source of MSCs, and bone marrow-derived mesenchymal stem cells (BM-MSCs) have been extensively studied and determined ...

Cited by: 14 Author: Jong Ho Choi, Yun Bin Lee, Jieun Ju...

Publish Year: 2016

[Hypoxia-inducible factors: mediators of cancer progression ...](#)

<https://www.cell.com/trends/pharmacological>

Search Toc

Turn off Hover

### Hypoxia-inducible factor-1 $\alpha$ : A promising therapeutic ...

<https://www.sciencedirect.com/science/article/pii/S1043661820312329>

Sep 01, 2020 · 3. HIF-1 $\alpha$  and DR. Retinal tissue has a dual blood supply and can rapidly consume glucose and oxygen. In fact, retinal tissue is one of the most metabolically active human tissues []. In diabetes, chronic high blood sugar can cause changes to the metabolism of retinal tissue, vascular occlusion, and ischemic anoxia, leading to the development of DR.

Cited by: 3 Author: Hui-Yao Li, Yue Yuan, Yu-Hong Fu, Ying Wa...

Publish Year: 2020

### Hypoxia-inducible factor-1 $\alpha$ induces CX3CR1 expression and ...

<https://ovarianresearch.biomedcentral.com/articles/10.1186/s13048-019-0517-1>

May 10, 2019 · Chemokines are involved in the homing of various cancer cells, including those of ovarian cancer (OvCa), to distant organs. They may also promote or inhibit cancer progression and metastasis. Hypoxia, a common phenomenon in malignant tumors, promotes cell proliferation regulated by HIF-1 $\alpha$ . Hypoxia-induced genes are involved in metastasis-associated functions and in the epithelial-to ...

Cited by: 11 Author: Santosh Kumar Singh, Manoj Kumar Mishr...

Publish Year: 2019

### Hypoxia Up-Regulates Hypoxia-Inducible Factor-1 $\alpha$ ...

<https://www.molbiolcell.org/doi/abs/10.1091/mbc.E07-04-0391>

A hypoxia-dependent upregulation of hypoxia-inducible factor-1 by nuclear factor- $\kappa$ B promotes gastric tumour growth and angiogenesis 30 November 2010 | British Journal of Cancer, Vol. 104, No. 1  
Endothelin-1-Induced Macrophage Inflammatory Protein-1 $\beta$  Expression in Monocytic Cells Involves Hypoxia-Inducible Factor-1 $\alpha$  and AP-1 and Its ...

Cited by: 474 Author: Rachida S. BelAiba, Steve Bonello, Christia...

Publish Year: 2007

**Name of Journal:** *World Journal of Stem Cells*

**Manuscript NO:** 63664

**Manuscript Type:** ORIGINAL ARTICLE

*Basic Study*

**Hypoxia-inducible factor-1 $\alpha$ -mediated upregulation of CD99 promotes the proliferation of placental mesenchymal stem cells by regulating ERK 1/2**

CD99 promotes the proliferation of MSCs

**Abstract**

**BACKGROUND**

Since human placenta-derived mesenchymal stem cells (hP-MSCs) exist in a physiologically hypoxic microenvironment, various studies have focused on the influence of hypoxia. However, the underlying mechanisms still remain to be further explored.

**Match Overview**

<b>1</b>	<b>Internet</b> 114 words crawled on 24-Feb-2021 <a href="http://www.spandidos-publications.com">www.spandidos-publications.com</a>	<b>3%</b>
<b>2</b>	<b>Crossref</b> 41 words Yaqiong Wu, Jing Guo, Qi Zhou, Yue Xin, Guibin Wang, Li-an Xu. "De novo transcriptome analysis revealed genes i ...	<b>1%</b>
<b>3</b>	<b>Internet</b> 41 words crawled on 29-Sep-2020 <a href="http://www.nature.com">www.nature.com</a>	<b>1%</b>
<b>4</b>	<b>Crossref</b> 36 words Xudong Feng, Jingqi Liu, Yanping Xu, Jiagi Zhu et al. "Mol ecular mechanism underlying the difference in proliferati ...	<b>1%</b>
<b>5</b>	<b>Internet</b> 34 words crawled on 06-Oct-2020 <a href="http://www.dovepress.com">www.dovepress.com</a>	<b>1%</b>
<b>6</b>	<b>Internet</b> 32 words crawled on 17-Apr-2016 <a href="http://content.karger.com">content.karger.com</a>	<b>1%</b>
<b>7</b>	<b>Crossref</b> 31 words Xin Zhang, Huan Peng, Sirui Zhu, Junjie Xing et al. "Nemat ode-Encoded RALF Peptide Mimics Facilitate Parasitism ...	<b>1%</b>
<b>8</b>	<b>Crossref Posted Content</b> 25 words Yasunaga Yoshihiko, Masami Morimatsu, Hajime Kozum a, Kaori Sugawara, Koichi Orino. "Reduced translation effi ...	<b>1%</b>

国内版 国际版

Hypoxia-inducible factor-1 $\alpha$ -mediated upregulation of CD99 promc



ALL IMAGES VIDEOS

12,300 Results Any time ▾

### (PDF) Hypoxia Inducible Factor-1 $\alpha$ Regulates the Migration ...

<https://www.researchgate.net/publication/291014439...>

PDF | Although hypoxic environments have been known to regulate the migratory ability of bone marrow-derived mesenchymal stem cells (BM-MSCs), which is... | Find, read and cite all the research ...

### Hypoxia-inducible factor-1 $\alpha$ : A promising therapeutic ...

<https://www.sciencedirect.com/science/article/pii/S1043661820312329>

Sep 01, 2020 · 3. HIF-1 $\alpha$  and DR. Retinal tissue has a dual blood supply and can rapidly consume glucose and oxygen. In fact, retinal tissue is one of the most metabolically active human tissues []. In diabetes, chronic high blood sugar can cause changes to the metabolism of retinal tissue, vascular occlusion, and ischemic anoxia, leading to the development of DR.

Cited by: 3 Author: Hui-Yao Li, Yue Yuan, Yu-Hong Fu, Ying ...

Publish Year: 2020

#### PEOPLE ALSO ASK

How does protein immunostaining affect mucoepidermoid carcinoma? ▾

How does silencing HIF-1 $\alpha$  gene affect hypoxia? ▾

How does Streptonigrin affect hypoxia inducible factor alpha? ▾

What is hypoxia induced factor-1 $\alpha$ ? ▾

Feedback

### Implications of HIF-1 $\alpha$ in the tumorigenesis and ...

<https://cancerbiomedcentral.com/articles/10.1186/s12935-020-01370-0> ▾

Jun 24, 2020 · Pancreatic cancer is one of the leading causes of cancer-related deaths worldwide and is characterized by highly hypoxic tumor microenvironment. Hypoxia-inducible factor-1 alpha (HIF-1 $\alpha$ ) is a major regulator of cellular response to changes in oxygen concentration, supporting the adaptation of tumor cells to hypoxia in an oxygen-deficient tumor microenvironment.

Cited by: 6 Author: Xiao Jin, Lu Dai, Yilan Ma, Jiayan Wang, ...

Publish Year: 2020