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Xiuquan Luo, Ying Huang, M Saeed Sheikh. "Cloning and characterization of a novel gene PDRG that is differentially regulated in liver cancer cells"

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Wagner, Martin, Sungwoo Choi, Katrin Panzitt, Jennifer L. Marmirosh, Jae Man Lee, Alex Zaufel, Rui Xiao, Ruth Wootton-Kee

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Name of Journal: World Journal of Biological Chemistry

Manuscript Type: MINIREVIEWS

PDRG1 (p53 and DNA damage-regulated gene 1) at the interface between intermediary metabolism and oncogenesis

María Ángeles Pajares

Abstract

PDRG1 is a small oncogenic protein of 133 residues. In normal human tissues, the *PDRG1* gene exhibits maximal expression in the testis and minimal levels in the liver. Increased expression has been detected in several tumor cells and in response to genotoxic stress. High-throughput studies identified the PDRG1 protein in a variety of macromolecular complexes involved in processes that are altered in cancer cells. For example, this oncogene has been found as part of the RNA polymerase II complex, the splicing machinery and nutrient sensing machinery, although its role in these complexes remains unclear. More recently,

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Regulation of intermediary metabolism by protein acetylation

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

作者: KL Guan - 2011 - 被引用次数: 214 - [相关文章](#)

2010年10月8日 - Regulation of **intermediary metabolism** by protein acetylation are either distributed in or shuttle **between** the nucleus and the cytoplasm [24].

缺少字词: **pdrp1 interface**

GAPDH and intermediary metabolism. - NCBI

<https://www.ncbi.nlm.nih.gov/pubmed/22851446> - [翻译此页](#)

作者: NW Seidler - 2013 - 被引用次数: 13 - [相关文章](#)

GAPDH plays a major enzymatic role in the **intermediary metabolism** of human tissues. In fact, the cells of all organisms require the catalytic capability of GAPDH ...

缺少字词: **pdrp1 interface oncogenesis**

10.12 Primary (intermediary) metabolism - David Moore's World of Fungi

www.davidmoore.org.uk/21st_Century_Guidebook_to.../Ch10_12.htm - [翻译此页](#)

The fundamental function of primary metabolism is the utilisation of nutrients to form ... and reducing power; the so-called primary or **intermediary metabolism** The glutamate is decarboxylated to 4-aminobutyrate; transamination **between** the ...

缺少字词: **pdrp1 interface oncogenesis**

^[PDF] A direct interaction between the Parkinson's disease ... - UCL Discovery

discovery.ucl.ac.uk/1458026/1/thesis%20-%20all_final.pdf - [翻译此页](#)

Differences **between** α - and β -tubulin in the paclitaxel/LRRK2 binding site. 136. Figure 45. Not only does the high rate of ATP **metabolism** compared to the rest of the body mean the brain is Roc-COR **interface**. Modelled using and **intermediate** filaments, form the cytoskeleton. **Oncogene** 25.

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PDRG1 p53 and DNA damage regulated 1 [(human)] - NCBI

<https://www.ncbi.nlm.nih.gov/gene/81572> - 翻译此页

PDRG1 p53 and DNA damage regulated 1 [(human)]. Gene ID: 81572, updated on 8-Oct-2017.

Summary. Other designations. p53 and DNA damage-regulated ...

缺少字词: interface intermediary metabolism oncogenesis

PDRG1 - p53 and DNA damage-regulated protein 1 - Homo sapiens ...

www.uniprot.org/uniprot/Q9NUG6 ▾ 翻译此页

p53 and DNA damage-regulated protein 1. Gene. PDRG1. Organism. Homo sapiens (Human). Status.

Reviewed-Annotation score: Annotation score:2 out of 5.

缺少字词: interface intermediary metabolism

PDRG1 Gene - GeneCards | PDRG1 Protein | PDRG1 Antibody

www.genecards.org/cgi-bin/carddisp.pl?gene=PDRG1 ▾

Complete information for PDRG1 gene (Protein Coding), P53 And DNA Damage Regulated 1, including: function, proteins, disorders, pathways, orthologs, and ...

缺少字词: interface intermediary metabolism

p53 - STRING protein network

string-db.org/cgi/show_network_section.pl?auth0login=1&identifier=p53 ▾ 翻译此页

One of the activated genes is an inhibitor of cyclin-dependent kinases. PDRG1 - P53 and DNA-damage regulated 1; May play a role in complex that acts at the interface between core mRNP particles and RNA polymerase II ... intermediaries transducing regulatory signals from upstream transcriptional activator proteins ...

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找到约 96 条结果 (用时 0.59 秒)

PDRG1 Gene - GeneCards | PDRG1 Protein | PDRG1 Antibody

www.genecards.org/cgi-bin/carddisp.pl?gene=PDRG1 ▼

Complete information for **PDRG1** gene (Protein Coding), P53 And DNA ... **PDRG1** (P53 And DNA Damage Regulated 1) is a Protein Coding gene. relationships **between** genes and organs from Gene ORGANizer for **PDRG1** Gene Sheikh M.S. **Oncogene** 2003 23 4 22 64; The status, quality, and expansion of the NIH ...

缺少字词: **interface intermediary metabolism**

The dynamic interplay between DNA damage and metabolism: the ...

<https://dspace.mit.edu/handle/1721.1/93772> ▼ 翻译此页

作者: W Jumpathong - 2014 - 被引用次数: 1 - 相关文章

Alternative Title: Metabolic fate and transport of DNA lesions and novel DNA damage ... of DNA adducts by electrophilic products of **intermediary metabolism**.

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Novel roles of holocarboxylase synthetase in gene regulation and ...

pubmedcentralcanada.ca/pmcc/articles/PMC4043915/ - 翻译此页

作者: J Zemleni - 2014 - 被引用次数: 5 - 相关文章

2014年3月28日 - There is a good relationship **between** clinical biotin responsiveness and the ... important roles of HLCS in **intermediary metabolism**, no living HLCS null thereby reducing the expression of the c-myc and COX2 **oncogenes**.

缺少字词: **pdrg1 interface**

DNA mismatch repair protein Mlh1/HexB

amp.pharm.mssm.edu/Harmonizome/search?q.../HexB

Naturally-occurring readthrough transcription occurs **between** this gene and the the joining of DNA ends