.-online.com antibodies

Datasheet for ABIN1715024 anti-GLRX5 antibody (AA 51-157)

1 Image

1 Publication



Overview

Quantity:	100 µL
Target:	GLRX5
Binding Specificity:	AA 51-157
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GLRX5 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC)

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Glutaredoxin 5
Isotype:	IgG
Cross-Reactivity:	Human
Predicted Reactivity:	Mouse,Rat,Cow,Sheep,Pig,Horse,Rabbit
Purification:	Purified by Protein A.
T	

Target Details

Target:

GLRX5

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 1/3 | Product datasheet for ABIN1715024 | 03/07/2024 | Copyright antibodies-online. All rights reserved.

Target Details	
Alternative Name:	Glutaredoxin 5 (GLRX5 Products)
Background:	Synonyms: C14orf87, Chromosome 14 open reading frame 87, FLB4739, GLRX 5, Glrx5, GLRX5_HUMAN, Glutaredoxin 5 homolog, Glutaredoxin related protein 5, Glutaredoxin-related protein 5, Glutaredoxin5, GRX5, MGC14129, mitochondrial, Monothiol glutaredoxin-5, PRO1238. Background: Monothiol glutaredoxin involved in the biogenesis of iron-sulfur clusters. Required for normal iron homeostasis. Required for normal regulation of hemoglobin synthesis by the iron-sulfur protein ACO1.
Gene ID:	51218
Pathways:	Cell RedoxHomeostasis
Application Details	
Application Notes:	WB 1:300-5000 ELISA 1:500-1000 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200 ICC 1:100-500
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 2/3 | Product datasheet for ABIN1715024 | 03/07/2024 | Copyright antibodies-online. All rights reserved.

Product cited in:

Rychtarcikova, Lettlova, Tomkova, Korenkova, Langerova, Simonova, Zjablovskaja, Alberich-Jorda, Neuzil, Truksa: "Tumor-initiating cells of breast and prostate origin show alterations in the expression of genes related to iron metabolism." in: **Oncotarget**, Vol. 8, Issue 4, pp. 6376-6398, (2016) (PubMed).

Images



Western Blotting

Image 1. Protein levels of the ATP Binding Cassette Subfamily B Member 10 (ABCB10) and glutaredoxin 5 (GLRX5) participating in mitochondrial FeS cluster assembly are decreased in tumor-initiating cells (TICs)Expression of the ABCB10 gene at the mRNA level in breast non-malignant cell line MCF10A, in TICs derived from breast cancer cell lines MCF-7, BT-474, T-47D and ZR-75-30 as well as from prostate cancer cell lines DU-145 and LNCaP has been determined (A) together with protein levels in the MCF-7 cell line (CTRL) and MCF-7 derived spheres (SPH) (B). Similarly, the expression of the GLRX5 gene at the mRNA (C) level as well as protein level (D) in TICs is documented. Experiments were performed at least in triplicate, standard error is SEM, p-values lower than 0.05 are denoted with a star and were calculated by the GenEx software using the unpaired t-test and plotted with GraphPad prism software. Number sign denotes statistical significance involving Dun-Bonferroni correction. The protein expression was quantified by the image J software from 2 to 5 independent samples, standard error is SEM, p-values lower than 0.05 are denoted with a star and were calculated and plotted in GraphPad prism, using the unpaired t-test. - figure provided by CiteAb. Source: PMID28031527

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 3/3 | Product datasheet for ABIN1715024 | 03/07/2024 | Copyright antibodies-online. All rights reserved.