

GLRX5 Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP20754c

Product Information

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|-------------------|------------------------|
| Application | WB, E |
| Primary Accession | Q86SX6 |
| Reactivity | Human, Mouse |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | Rabbit IgG |
| Clone Names | RB49888 |
| Calculated MW | 16628 |

Additional Information

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|--------------------|--|
| Gene ID | 51218 |
| Other Names | Glutaredoxin-related protein 5, mitochondrial, Monothiol glutaredoxin-5, GLRX5, C14orf87 |
| Target/Specificity | This GLRX5 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 93-127 amino acids from the Central region of human GLRX5. |
| Dilution | WB~~1:1000 E~~Use at an assay dependent concentration. |
| Format | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification. |
| Storage | Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles. |
| Precautions | GLRX5 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures. |

Protein Information

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| Name | GLRX5 |
| Synonyms | C14orf87 |
| Function | Monothiol glutaredoxin involved in mitochondrial iron-sulfur (Fe/S) cluster transfer (PubMed: 20364084 , PubMed: 23615440). Receives 2Fe/2S clusters from scaffold protein ISCU and mediates their transfer to apoproteins, to the |

4Fe/FS cluster biosynthesis machinery, or export from mitochondrion (PubMed:[20364084](#), PubMed:[23615440](#), PubMed:[24334290](#)). Required for normal regulation of hemoglobin synthesis by the iron- sulfur protein ACO1 (PubMed:[20364084](#)).

Cellular Location

Mitochondrion matrix

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.

References

Wingert R.A.,et al.Nature 436:1035-1039(2005).

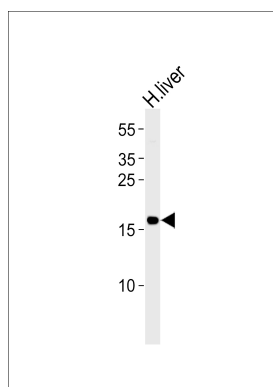
Wingert R.A.,et al.Nature 437:920-920(2005).

Kurosawa N.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.

Li W.B.,et al.Submitted (FEB-2003) to the EMBL/GenBank/DDBJ databases.

Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.

Images



Western blot analysis of lysate from human liver tissue lysate, using GLRX5 Antibody (Center)(Cat. #AP20754c). AP20754c was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.