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GLRX5 Antibody (Center)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20754c

Specification

GLRX5 Antibody (Center) - Product Information

Application	**WB,E**
Primary Accession	Q86SX6
Other Accession	Q80Y14
Reactivity	**Human**
Predicted	**Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**16628**

GLRX5 Antibody (Center) - Additional Information

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

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.

GLRX5 Antibody (Center) - Protein Information

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).

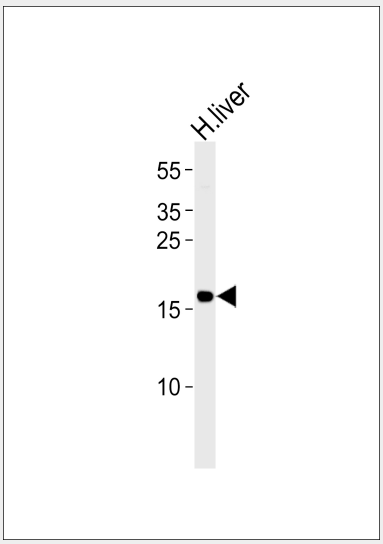
Cellular Location
Mitochondrion matrix

GLRX5 Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

GLRX5 Antibody (Center) - 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.

GLRX5 Antibody (Center) - 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.

GLRX5 Antibody (Center) - 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.