

**GLRX5 Antibody (Center)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AW5463**

**Specification**

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**GLRX5 Antibody (Center) - Product Information**

Application	WB,E
Primary Accession	<a href="#">Q86SX6</a>
Other Accession	<a href="#">Q80Y14</a>
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	H=17;M=16 KDa
Isotype	Rabbit IgG
Antigen Source	HUMAN

**GLRX5 Antibody (Center) - Additional Information**

**Gene ID** 51218

**Antigen Region**  
93-127

**Other Names**  
Glutaredoxin-related protein 5, mitochondrial, Monothiol glutaredoxin-5, GLRX5, C14orf87

**Dilution**  
WB~~1:1000

**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.

**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:<a href="http://www.uniprot.org/citations/20364084" target="\_blank">20364084</a>, PubMed:<a href="http://www.uniprot.org/citations/23615440" target="\_blank">23615440</a>). 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:<a href="http://www.uniprot.org/citations/20364084" target="\_blank">20364084</a>, PubMed:<a href="http://www.uniprot.org/citations/23615440" target="\_blank">23615440</a>, PubMed:<a href="http://www.uniprot.org/citations/24334290" target="\_blank">24334290</a>). Required for normal regulation of hemoglobin synthesis by the iron- sulfur protein ACO1 (PubMed:<a href="http://www.uniprot.org/citations/20364084" target="\_blank">20364084</a>).

### Cellular Location

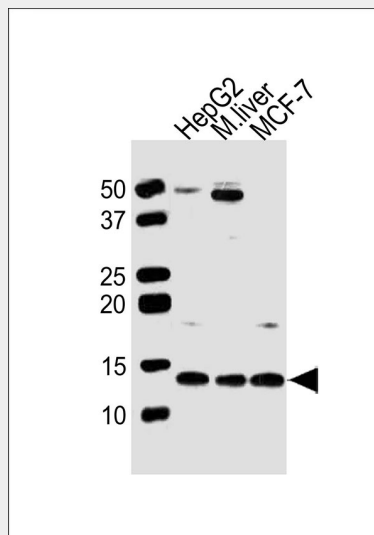
Mitochondrion matrix

## 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 Cytometry](#)
- [Cell Culture](#)

## GLRX5 Antibody (Center) - Images



All lanes : Anti-GLRX5 Antibody (Center) at 1:1000 dilution Lane 1: HepG2 whole cell lysates Lane 2: mouse liver lysates Lane 3: MCF-7 whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 17 kDa Blocking/Dilution buffer: 5% NFD/MTBST.

### **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.