

Glutaredoxin 5 Polyclonal antibody

Catalog Number: 18884-1-AP

Basic Information

Catalog Number:

18884-1-AP

Size:

450 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG13445

GenBank Accession Number:

BC023528

GeneID (NCBI):

51218

UNIPROT ID:

Q86SX6

Full Name:

glutaredoxin 5

Calculated MW:

157 aa, 17 kDa

Observed MW:

10-15 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IF/ICC, ELISA

Species Specificity:

human, mouse

Positive Controls:

WB : HepG2 cells, MCF-7 cells, mouse heart tissue

IF/ICC : MCF-7 cells,

Background Information

Glutaredoxin 5 (GLRX5) is an essential protein engaging in mitochondrial iron-sulfur cluster (ISC) transfers to iron regulatory protein (IRP), m-aconitase, and ferrochelatase. GLRX5 deficiency impairs heme biosynthesis, causing sideroblastic anemia and variant nonketotic hyperglycinemia in humans. Mutations of GLRX5 lead to distinct effects on downstream ISC biosynthesis and maturation.

Storage

Storage:

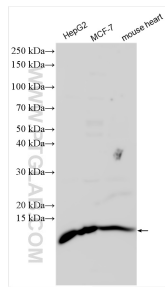
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

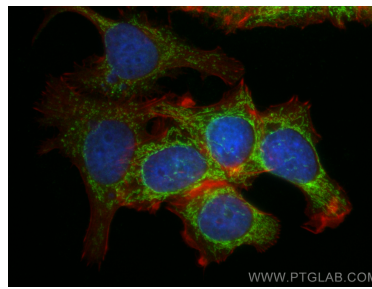
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 18884-1-AP (Glutaredoxin 5 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using Glutaredoxin 5 antibody (18884-1-AP) at dilution of 1:400 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).