

For Research Use Only

UQCQRQ Recombinant monoclonal antibody

Catalog Number: 87199-1-RR



Basic Information

Catalog Number: 87199-1-RR	GenBank Accession Number: BC001390	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 27089	CloneNo.: 252364C10
Isotype: IgG	UNIPROT ID: O14949	Recommended Dilutions: WB: 1:5000-1:50000 IHC: 1:500-1:2000 IF/ICC: 1:250-1:1000
Immunogen Catalog Number: AG6907	Full Name: ubiquinol-cytochrome c reductase, complex III subunit VII, 9.5kDa	
	Calculated MW: 10 kDa	
	Observed MW: 10 kDa	

Applications

Tested Applications:
WB, IHC, IF/ICC, ELISA

Species Specificity:
human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB: HeLa cells, mouse skeletal muscle tissue, HepG2 cells, Jurkat cells, human skeletal muscle tissue, rat skeletal muscle tissue, mouse liver tissue

IHC: rat liver tissue, mouse heart tissue

IF/ICC: HepG2 cells,

Background Information

UQCQRQ (Cytochrome b-c1 complex subunit 8) belongs to the UQCQRQ/QCR8 family. UQCQRQ is a ubiquinone-binding protein localized to the cytochrome bc1 region of the mitochondrial respiratory chain. The deduced 110-amino acid protein has a relatively hydrophobic and basic N-terminal region, an aspartic acid-rich middle region, and a glutamic acid- and lysine-rich C-terminal region.

Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

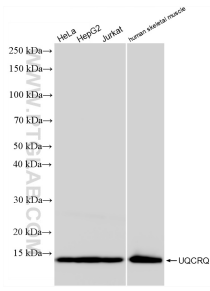
T: 4006900926

E: Proteintech-CN@ptglab.com

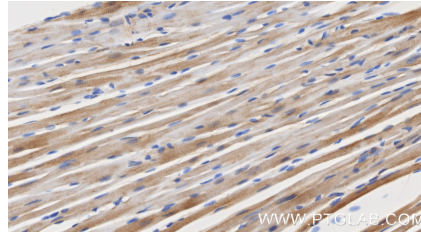
W: ptgcn.com

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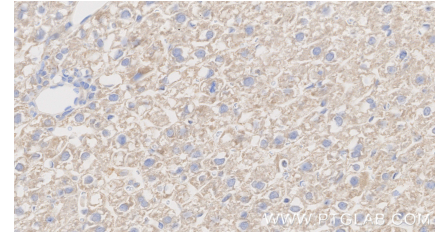
Selected Validation Data



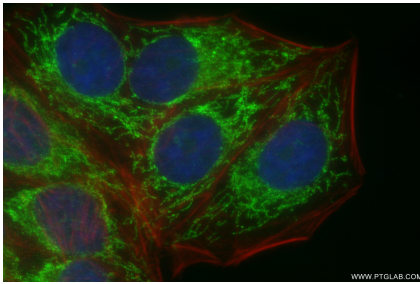
Various lysates were subjected to SDS PAGE followed by western blot with 87199-1-RR (UQCRCQ antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



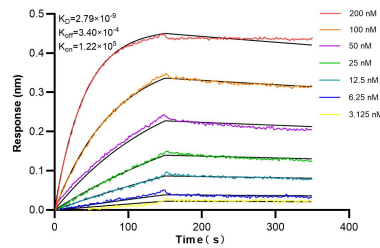
Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 87199-1-RR (UQCRCQ antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat liver tissue slide using 87199-1-RR (UQCRCQ antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using UQCRCQ antibody (87199-1-RR, Clone: 252364C10) at dilution of 1:500 and CoraLite@488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



Biolayer interferometry (BLI) kinetic assays of 87199-1-RR against Human UQCRCQ were performed. The affinity constant is 2.79 nM.