

For Research Use Only

# UQCQRQ Recombinant monoclonal antibody, PBS Only

Catalog Number: 87199-1-PBS



## Basic Information

<b>Catalog Number:</b> 87199-1-PBS	<b>GenBank Accession Number:</b> BC001390	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 27089	<b>CloneNo.:</b> 252364C10
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> O14949	
<b>Isotype:</b> IgG	<b>Full Name:</b> ubiquinol-cytochrome c reductase, complex III subunit VII, 9.5kDa	
<b>Immunogen Catalog Number:</b> AG6907	<b>Calculated MW:</b> 10 kDa	
	<b>Observed MW:</b> 10 kDa	

## Applications

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

**Species Specificity:**  
human, mouse, rat

## 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.

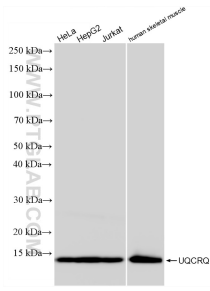
## Storage

**Storage:**  
Store at -80°C.  
**Storage Buffer:**  
PBS only, pH7.3

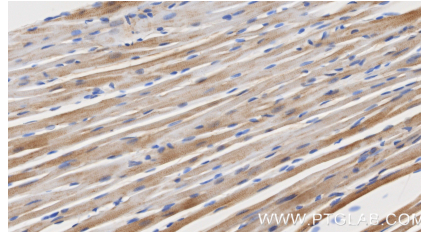
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)      E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

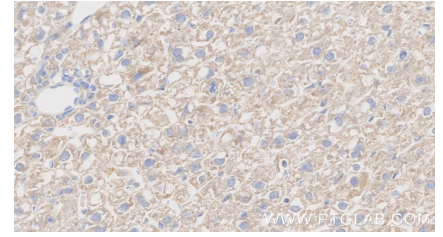
## Selected Validation Data



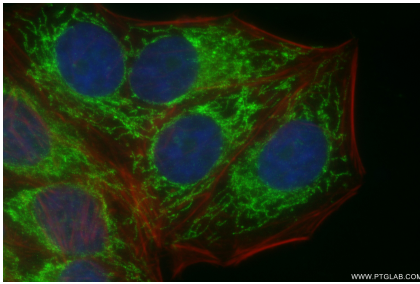
Various lysates were subjected to SDS PAGE followed by western blot with 87199-1-RR (UQCRCQ antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 87199-1-PBS in a different storage buffer formulation.



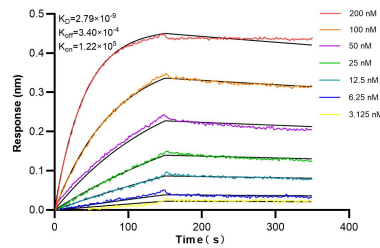
Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 87199-1-RR (UQCRCQ antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 87199-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 87199-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 87199-1-PBS in a different storage buffer formulation.



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