

For Research Use Only

UQCQRQ Recombinant monoclonal antibody, PBS Only

Catalog Number:87199-1-PBS



Basic Information

Catalog Number: 87199-1-PBS	GenBank Accession Number: BC001390	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 27089	CloneNo.: 252364C10
Isotype: IgG	UNIPROT ID: O14949	
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, 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.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS only, pH7.3

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

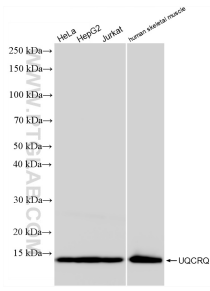
T: 4006900926

E: Proteintech-CN@ptglab.com

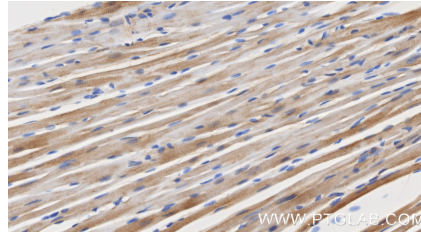
W: ptgcn.com

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

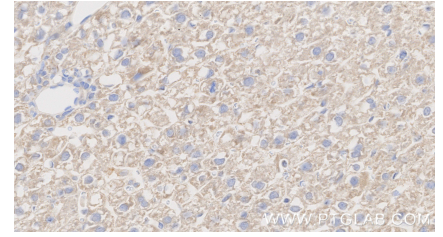
Selected Validation Data



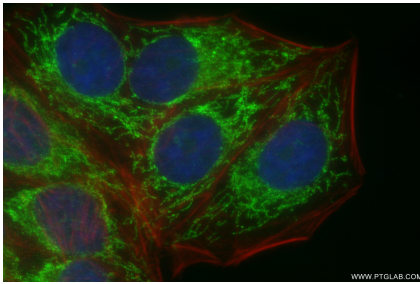
Various lysates were subjected to SDS PAGE followed by western blot with 87199-1-RR (UQCRQ antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 87199-1-PBS in a different storage buffer formulation.



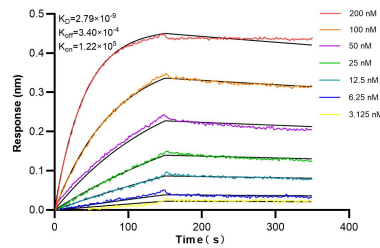
Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 87199-1-RR (UQCRQ antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 87199-1-PBS in a different storage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



Immunohistochemical analysis of paraffin-embedded rat liver tissue slide using 87199-1-RR (UQCRQ 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 UQCRQ 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 UQCRQ were performed. The affinity constant is 2.79 nM.