

For Research Use Only

UQCRQ Recombinant monoclonal antibody

Catalog Number: 87199-1-RR



Basic Information

Catalog Number: 87199-1-RR	GenBank Accession Number: BC001390	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 27089	CloneNo.: 252364C10
Source: Rabbit	UNIPROT ID: O14949	Recommended Dilutions: WB: 1:5000-1:50000 IF/ICC: 1:250-1:1000
Isotype: IgG	Full Name: ubiquinol-cytochrome c reductase, complex III subunit VII, 9.5kDa	
Immunogen Catalog Number: AG6907	Calculated MW: 10 kDa	
	Observed MW: 10 kDa	

Applications

Tested Applications:
WB, IF/ICC, ELISA

Species Specificity:
human, mouse, rat

Positive Controls:

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

IF/ICC : HepG2 cells,

Background Information

UQCRQ(Cytochrome b-c1 complex subunit 8) belongs to the UQCRQ/QCR8 family. UQCRQ 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

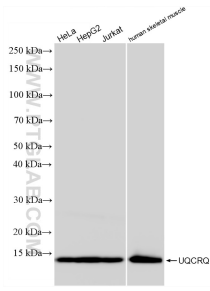
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

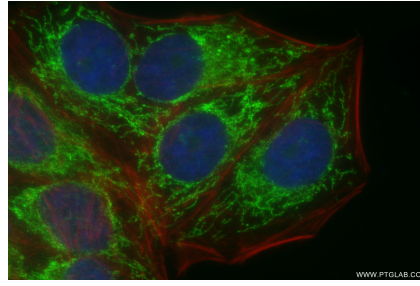
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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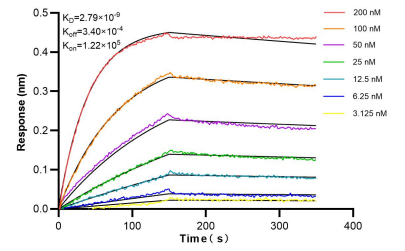
Selected Validation Data



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.



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.