

For Research Use Only

# Biotin-conjugated UQCQRQ Recombinant monoclonal antibody

Catalog Number: Biotin-87199



## Basic Information

|                                                                |                                                                                        |                                                       |
|----------------------------------------------------------------|----------------------------------------------------------------------------------------|-------------------------------------------------------|
| <b>Catalog Number:</b><br>Biotin-87199                         | <b>GenBank Accession Number:</b><br>BC001390                                           | <b>Purification Method:</b><br>Protein A purification |
| <b>Size:</b><br>100ul , Concentration: 1000 ug/ml by Nanodrop; | <b>GeneID (NCBI):</b><br>27089                                                         | <b>CloneNo.:</b><br>252364C10                         |
| <b>Source:</b><br>Rabbit                                       | <b>UNIPROT ID:</b><br>O14949                                                           | <b>Recommended Dilutions:</b><br>IHC: 1:50-1:500      |
| <b>Isotype:</b><br>IgG                                         | <b>Full Name:</b><br>ubiquinol-cytochrome c reductase, complex III subunit VII, 9.5kDa |                                                       |
| <b>Immunogen Catalog Number:</b><br>AG6907                     | <b>Calculated MW:</b><br>10 kDa                                                        |                                                       |
|                                                                | <b>Observed MW:</b><br>10 kDa                                                          |                                                       |

## Applications

|                                                                                                                                                      |                                                        |
|------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|
| <b>Tested Applications:</b><br>IHC                                                                                                                   | <b>Positive Controls:</b><br>IHC : mouse heart tissue, |
| <b>Species Specificity:</b><br>human, mouse, rat                                                                                                     |                                                        |
| <b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b> |                                                        |

## 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.

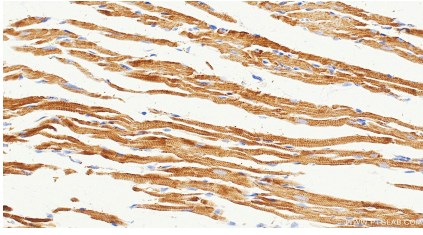
## Storage

**Storage:**  
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3  
**Aliquoting is unnecessary for -20°C storage**

For technical support and original validation data for this product please contact:  
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E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using Biotin-87199 (UQCRQ antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).