

For Research Use Only

# UQCRC2 Recombinant antibody, PBS Only

Catalog Number: 83667-2-PBS



## Basic Information

<b>Catalog Number:</b> 83667-2-PBS	<b>GenBank Accession Number:</b> BC000484	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1 mg/ml	<b>GeneID (NCBI):</b> 7385	<b>CloneNo.:</b> 240454D9
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P22695	
<b>Isotype:</b> IgG	<b>Full Name:</b> ubiquinol-cytochrome c reductase core protein II	
<b>Immunogen Catalog Number:</b> AG6432	<b>Calculated MW:</b> 48 kDa	
	<b>Observed MW:</b> 48 kDa	

## Applications

**Tested Applications:**  
WB, IHC, FC (Intra), ELISA

**Species Specificity:**  
human

## Background Information

UQCRC2(Ubiquinol-cytochrome-c reductase complex core protein 2) is also named as complex III subunit 2, core protein II and belongs to the UQCRC2/QCR2 subfamily. The bc1 complex contains 11 subunits: 3 respiratory subunits (cytochrome b, cytochrome c1 and Rieske/UQCRFS1), 2 core proteins (UQCRC1/QCR1 and UQCRC2/QCR2) and 6 low-molecular weight proteins (UQCRH/QCR6, UQCRB/QCR7, UQCRQ/QCR8, UQCR10/QCR9, UQCR11/QCR10 and a cleavage product of Rieske/UQCRFS1) and is part of the mitochondrial respiratory chain. This protein distributes in mitochondrion inner membrane, peripheral membrane protein and matrix side.

## 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

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

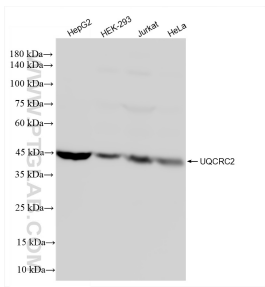
T: 4006900926

E: Proteintech-CN@ptglab.com

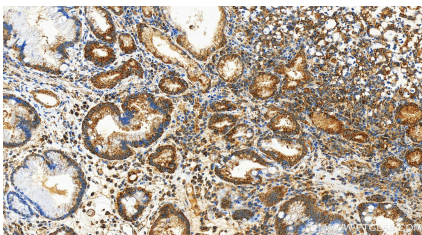
W: ptgcn.com

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

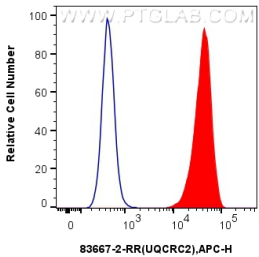
Selected Validation Data



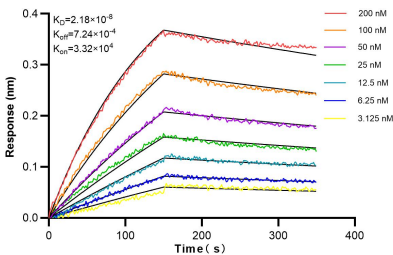
Various lysates were subjected to SDS PAGE followed by western blot with 83667-2-RR (UQCRC2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 83667-2-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 83667-2-RR (UQCRC2 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer(pH9). This data was developed using the same antibody clone with 83667-2-PBS in a different storage buffer formulation.



1x10<sup>6</sup> HepG2 cells were intracellularly stained with 0.25 ug UQCRC2 Recombinant antibody (83667-2-RR, Clone:240454D9) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (red), or 0.25 ug Isotype Control (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011). This data was developed using the same antibody clone with 83667-2-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 83667-2-RR against Human UQCRC2 were performed. The affinity constant is 21.8 nM.