

For Research Use Only

# UQCRC1 Recombinant antibody, PBS Only

Catalog Number:83671-2-PBS



## Basic Information

<b>Catalog Number:</b> 83671-2-PBS	<b>GenBank Accession Number:</b> BC009586	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 7384	<b>CloneNo.:</b> 240507A6
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P31930	
<b>Isotype:</b> IgG	<b>Full Name:</b> ubiquinol-cytochrome c reductase core protein I	
<b>Immunogen Catalog Number:</b> AG16322	<b>Calculated MW:</b> 480 aa, 53 kDa	
	<b>Observed MW:</b> 45 kDa	

## Applications

**Tested Applications:**  
WB, IHC, ELISA

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

## Background Information

UQCRC1(Cytochrome b-c1 complex subunit 1, mitochondrial), also named as QCR1 and UQCR1, is a ubunit of the cytochrome bc1 complex (complex III) of the mitochondrial respiratory chain, may mediate the formation of the complex between cytochromes c and c1. The gene encodes a 53 kDa protein with a 34 amino acids transit peptide. It is associated with apoptosis or inhibition of cancer cell growth.

## Storage

**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

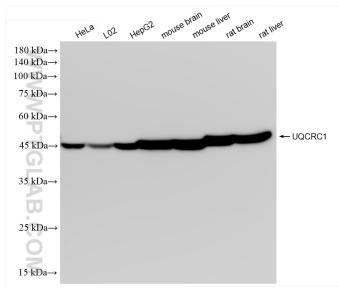
For technical support and original validation data for this product please contact:

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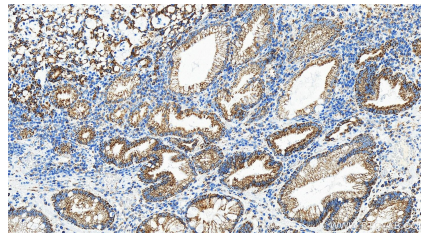
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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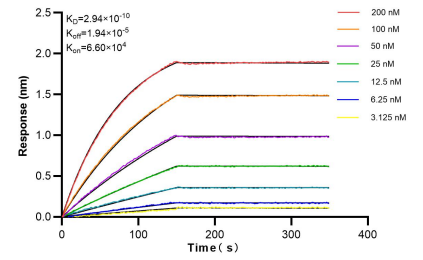
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83671-2-RR (UQCRC1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 83671-2-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 83671-2-RR (UQCRC1 antibody) at dilution of 1:2000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer(pH9). This data was developed using the same antibody clone with 83671-2-PBS in a different storage buffer formulation.



Bi-layer interferometry (BLI) kinetic assays of 83671-2-RR against Human UQCRC1 were performed. The affinity constant is 0.294 nM.