

For Research Use Only

# COQ7 Recombinant monoclonal antibody, PBS Only (Detector)

Catalog Number: 86394-1-PBS



## Basic Information

Catalog Number: 86394-1-PBS	GenBank Accession Number: BC003185	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 10229	CloneNo.: 251065A2
Isotype: IgG	UNIPROT ID: Q99807	
Immunogen Catalog Number: AG7161	Full Name: coenzyme Q7 homolog, ubiquinone (yeast)	
	Calculated MW: 24 kDa	
	Observed MW: 20-24 kDa	

## Applications

**Tested Applications:**  
WB, Cytometric bead array, Indirect ELISA

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

## Background Information

COQ7 (Ubiquinone biosynthesis protein COQ7 homolog) catalyzes the production of coenzyme Q (CoQ) in mitochondria. The predicted protein contains 179 amino acids, is mostly helical, and contains an alpha-helical membrane insertion. It has a potential N-glycosylation site, a phosphorylation site for protein kinase C and another for casein kinase II, and 3 N-myristoylation sites. This protein has 2 isoforms produced by alternative splicing with MW 20-24 kDa.

## 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:

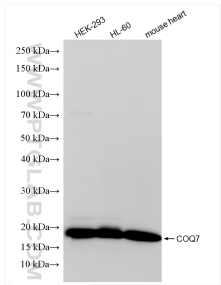
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

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

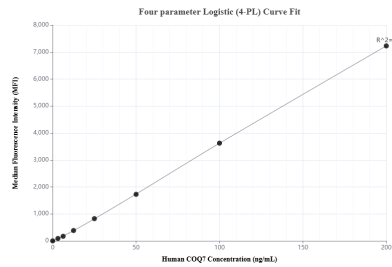
Selected Validation Data



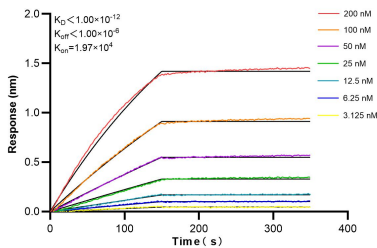
Various lysates were subjected to SDS PAGE followed by western blot with 86394-1-RR (COQ7 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86394-1-PBS in a different storage buffer formulation.



The mean COQ7 concentration was determined to be 160.1 ng/mL in Mouse liver tissue extract based on a 8.4 mg/mL extract load.



Cytometric bead array standard curve of MP02418-1, COQ7 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 86394-2-PBS. Detection antibody: 86394-1-PBS. Standard: Ag7161. Range: 3.125-200 ng/mL



Biolayer interferometry (BLI) kinetic assays of 86394-1-RR against Human COQ7 were performed. The affinity constant is below 1 pM.