

For Research Use Only

# COQ7 Recombinant antibody

Catalog Number: 86394-1-RR



## Basic Information

Catalog Number:	86394-1-RR	GenBank Accession Number:	BC003185	Purification Method:	Protein A purification
Size:	100ul, Concentration: 1000 µg/ml by Nanodrop;	GenID (NCBI):	10229	CloneNo.:	251065A2
Source:	Rabbit	UNIPROT ID:	Q99807	Recommended Dilutions:	WB: 1:1000-1:8000
Isotype:	IgG	Full Name:	coenzyme Q7 homolog, ubiquinone (yeast)		
Immunogen Catalog Number:	AG7161	Calculated MW:	24 kDa		
		Observed MW:	20-24 kDa		

## Applications

Tested Applications:	WB, ELISA	Positive Controls:
Species Specificity:	human, mouse, rat	WB: HEK-293 cells, HL-60 cells, mouse heart tissue

## 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

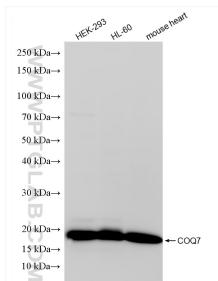
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 20ul sizes contain 0.1% BSA

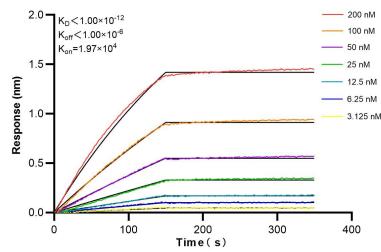
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## Selected Validation Data



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.



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