

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
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 10229	CloneNo.: 251065A2
Source: Rabbit	UNIPROT ID: Q99807	
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, Cytometric bead array, Indirect ELISA

Species Specificity:
human, mouse, rat

Product Information

86394-1-PBS targets COQ7 as part of a matched antibody pair:

MP02418-1: 86394-2-PBS capture and 86394-1-PBS detection (validated in Cytometric bead array)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

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

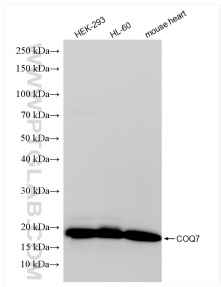
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

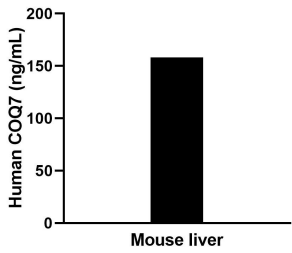
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data

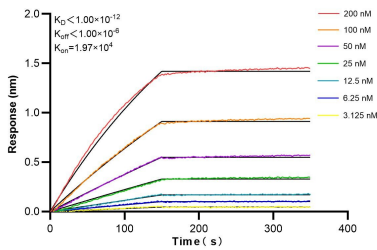


Various lysates were subjected to SDS PAGE followed by western blot with 86394-1-RR (COQ7 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86394-1-PBS in a different storage buffer formulation.



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.