

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.

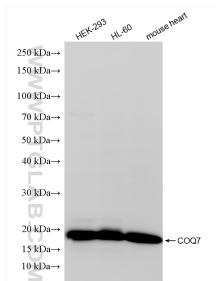
Storage

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

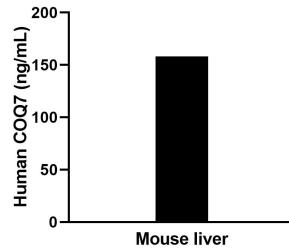
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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

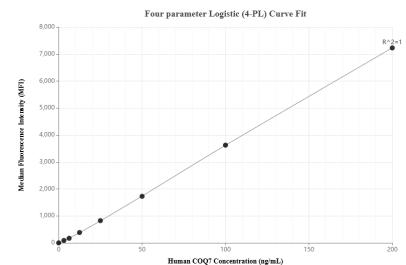
Selected Validation Data



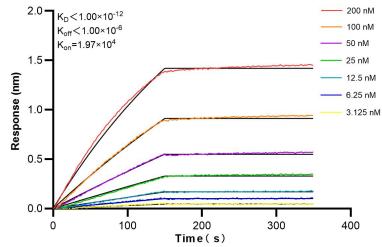
Various lysates were subjected to SDS PAGE followed by western blot with 86394-1-RR (COQ7 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86394-1-PBS in a different storage buffer formulation.



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.