

For Research Use Only

COQ5 Recombinant antibody

Catalog Number: 85890-1-RR



Basic Information

Catalog Number:

85890-1-RR

Concentration:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG10203

GenBank Accession Number:

BC107874

GeneID (NCBI):

84274

UNIPROT ID:

Q5HYK3

Full Name:

coenzyme Q5 homolog,
methyltransferase (S. cerevisiae)

Calculated MW:

327 aa, 37 kDa

Observed MW:

32 kDa

Purification Method:

Protein A purification

CloneNo.:

250140E11

Recommended Dilutions:

WB 1:2000-1:10000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB: mouse heart tissue, rat heart tissue, mouse liver
tissue, rat liver tissue, mouse skeletal muscle tissue

Background Information

COQ5 catalyzes the only C-methylation involved in the biosynthesis of coenzyme Q (Q or ubiquinone) in humans and yeast *Saccharomyces cerevisiae*. In humans, mutations in several COQ genes cause primary Q deficiency, and a decrease in Q biosynthesis is associated with mitochondrial, cardiovascular, kidney and neurodegenerative diseases (PMID: 25152161). Endogenous human COQ5 protein primarily existed as a mature form (m-COQ5, ~32 kDa) without the mitochondrial targeting sequence (MTS) in the mitochondria of human cells, in addition to the minor precursor form (p-COQ5, 37 kDa) of the full-length protein (PMID: 27155576).

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

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

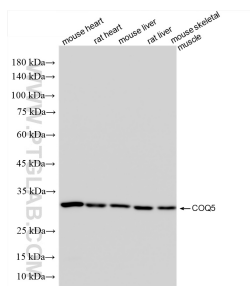
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85890-1-RR (COQ5 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.