

For Research Use Only

COQ5 Recombinant antibody, PBS Only

Catalog Number: 85890-1-PBS



Basic Information

Catalog Number:

85890-1-PBS

Concentration:

1 mg/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

Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

human, mouse, rat

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 -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:

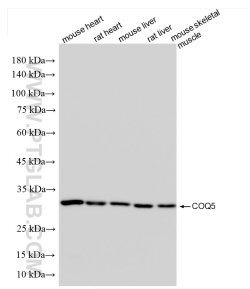
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Selected Validation Data



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. This data was developed using the same antibody clone with 85890-1-PBS in a different storage buffer formulation.