

For Research Use Only

COQ5 Recombinant antibody, PBS Only

Catalog Number: 85890-1-PBS



Basic Information

Catalog Number: 85890-1-PBS	GenBank Accession Number: BC107874	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 84274	CloneNo.: 250140E11
Source: Rabbit	UNIPROT ID: Q5HYK3	
Isotype: IgG	Full Name: coenzyme Q5 homolog, methyltransferase (S. cerevisiae)	
Immunogen Catalog Number: AG10203	Calculated MW: 327 aa, 37 kDa	
	Observed MW: 32 kDa	

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

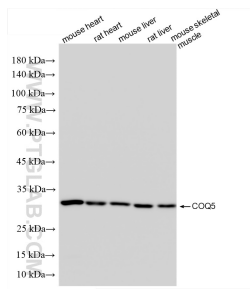
Storage:
Store at -80°C.

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)
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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.