

# COQ7 rabbit monoclonal antibody

Catalog # H00010229-K

Size 100 ug x up to 3

## Specification

Product Description	Rabbit monoclonal antibody raised against a human COQ7 peptide using ARM Technology.
Immunogen	A synthetic peptide of human COQ7 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen ( <a href="#">ARM Technology</a> ).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human COQ7 peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) <sub>2</sub> , IgG, scFv and different Fc and non-Fc conjugates per customer request.

## Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

## Gene Info — COQ7

Entrez GeneID [10229](#)

GeneBank Accession# [COQ7](#)

Gene Name COQ7

Gene Alias CAT5, CLK-1, CLK1

Gene Description coenzyme Q7 homolog, ubiquinone (yeast)

Omim ID [601683](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** The protein encoded by this gene is similar to a mitochondrial di-iron containing hydroxylase in *Saccharomyces cerevisiae* that is involved with ubiquinone biosynthesis. Mutations in the yeast gene lead to slower development and longer life span. Transcript variants have been described for this gene, but their full-length sequences have not been determined. [provided by RefSeq]

**Other Designations** COQ7 coenzyme Q, 7 homolog ubiquinone|COQ7 protein|placental protein KG-20|timing protein|ubiquinone biosynthesis protein

## Pathway

- [Metabolic pathways](#)
- [Ubiquinone and other terpenoid-quinone biosynthesis](#)