

# COQ9 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)  
Catalog # AP4890c

## Product Information

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<b>Application</b>	WB, IHC-P, FC, E
<b>Primary Accession</b>	<a href="#">O75208</a>
<b>Other Accession</b>	<a href="#">Q68FT1</a> , <a href="#">Q8K1Z0</a>
<b>Reactivity</b>	Human, Mouse
<b>Predicted</b>	Rat
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB25014
<b>Antigen Region</b>	156-184

## Additional Information

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<b>Other Names</b>	Ubiquinone biosynthesis protein COQ9, mitochondrial, COQ9, C16orf49
<b>Target/Specificity</b>	This COQ9 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 156-184 amino acids from the Central region of human COQ9.
<b>Dilution</b>	WB~~1:1000 IHC-P~~1:100~500 FC~~1:10~50 E~~Use at an assay dependent concentration.
<b>Format</b>	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Precautions</b>	COQ9 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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### Background

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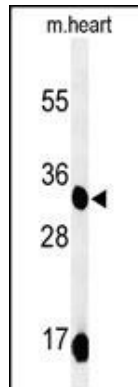
Coenzyme Q10 (CoQ10), or ubiquinone, is a mobile lipophilic electron carrier critical for electron transfer by the mitochondrial inner membrane respiratory chain. COQ9 is 1 of several enzymes involved in biosynthesis of CoQ10 and likely functions in modification of the benzoquinone ring.

## References

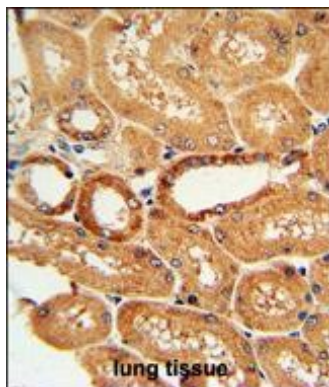
Duncan, A.J., et al. Am. J. Hum. Genet. 84(5):558-566(2009)

Loftus, B.J., et al. Genomics 60(3):295-308(1999)

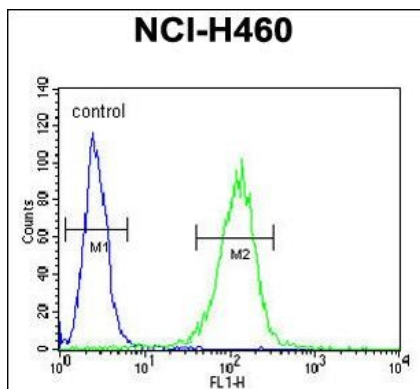
## Images



Western blot analysis of COQ9 Antibody (Center) (Cat. #AP4890c) in mouse heart tissue lysates (35ug/lane). COQ9 (arrow) was detected using the purified Pab.



COQ9 Antibody (Center) (Cat. #AP4890c) immunohistochemistry analysis in formalin fixed and paraffin embedded human lung tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the COQ9 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



COQ9 Antibody (Center) (Cat. #AP4890c) flow cytometric analysis of NCI-H460 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.