

# Complex III Subunit 7 Rabbit mAb

**Catalog # AP76232** 

# **Specification**

## Complex III Subunit 7 Rabbit mAb - Product Information

Application WB, IHC-P, IP
Primary Accession
Reactivity P14927
Human, Rat

Host Rabbit
Clonality Monoclonal Antibody

Calculated MW 13530

# Complex III Subunit 7 Rabbit mAb - Additional Information

**Gene ID 7381** 

Other Names UQCRB

**Dilution**WB~~1/500-1/1000
IHC-P~~N/A
IP~~N/A

### **Format**

50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.

#### Storage

Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

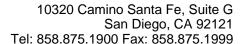
# Complex III Subunit 7 Rabbit mAb - Protein Information

Name UQCRB

Synonyms UQBP

#### **Function**

Component of the ubiquinol-cytochrome c oxidoreductase, a multisubunit transmembrane complex that is part of the mitochondrial electron transport chain which drives oxidative phosphorylation. The respiratory chain contains 3 multisubunit complexes succinate dehydrogenase (complex II, CII), ubiquinol-cytochrome c oxidoreductase (cytochrome b-c1 complex, complex III, CIII) and cytochrome c oxidase (complex IV, CIV), that cooperate to transfer electrons derived from NADH and succinate to molecular oxygen, creating an electrochemical gradient over the inner membrane that drives transmembrane transport and the ATP synthase. The cytochrome b-c1 complex catalyzes electron transfer from ubiquinol to cytochrome c, linking this redox reaction to translocation of protons across the mitochondrial inner membrane, with protons being carried across the membrane as hydrogens on the quinol. In the process called Q cycle, 2 protons are consumed from the matrix, 4 protons are released into the intermembrane





space and 2 electrons are passed to cytochrome c.

### **Cellular Location**

# Complex III Subunit 7 Rabbit mAb - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

# Complex III Subunit 7 Rabbit mAb - Images

