10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Holocytochrome c Antibody
Mouse Monoclonal Antibody
Catalog # ABV10152

Specification

Holocytochrome c Antibody - Product Information

Application	**WB**
Primary Accession	P53701
Reactivity	**Human, Mouse, Rat**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**Mouse IgG1**
Calculated MW	**30602**

Holocytochrome c Antibody - Additional Information

Gene ID 3052

Application & Usage	**Western blot analysis (5-10 µg/ml) and immunoprecipitation. The antibody detects a 12.0 kDa protein corresponding to the apparent molecular weight of cytochrome c.**

Other Names
Cytochrome c-type heme lyase, CCHL, 4.4.1.17, Holocytochrome c-type synthase, HCCS, CCHL

Target/Specificity
Holocytochrome c

Antibody Form
Liquid

Appearance
Colorless liquid

Formulation
100 µg (0.2 mg/ml) purified IgG in PBS containing 50% glycerol, 1% BSA and 0.02% sodium azide.

Handling
The antibody solution should be gently mixed before use.

Reconstitution & Storage
-20 °C

Background Descriptions

Precautions
Holocytochrome c Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

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Holocytochrome c Antibody - Protein Information

Name HCCS (HGNC:4837)

Synonyms CCHL

Function
Lyase that catalyzes the covalent linking of the heme group to the cytochrome C apoprotein to produce the mature functional cytochrome.

Cellular Location
Mitochondrion inner membrane. Membrane; Lipid-anchor

Holocytochrome c Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Holocytochrome c Antibody - Images

Holocytochrome c Antibody - Background

The precursor of cytochrome c, apocytochrome c, is synthesized in the cytoplasm. Upon translocation into mitochondria, cytochrome c acquires a heme moiety required for functionality in the mitochondrial respiration chain. The heme-bound form of cytochrome c is called holocytochrome c. When released into the cytosol, cytochrome c can activate caspases responsible for apoptosis.