

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.
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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.

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 Cytometry](#)
- [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.