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

Cytochrome c Antibody
Rabbit Polyclonal Antibody
Catalog # ABV10017

Specification

Cytochrome c Antibody - Product Information

Application	**WB**
Primary Accession	P10715
Other Accession	NP_036972
Reactivity	**Human, Mouse, Rat, Chicken, Bovine, Dog**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**11743**

Cytochrome c Antibody - Additional Information

Gene ID 25310

Application & Usage	**Western blotting (0.5-4 µg/ml) and immunoprecipitation (10-20 µg/ml). The cytochrome c antibody detects the 12.6 kDa cytochrome c from human, mouse, and rat samples. Jurkat cell lysate, NIH3T3 cell lysate, and rat kidney tissue lysate can be used as positive controls.**

Other Names
CYCS, CYC

Target/Specificity
Cytochrome c

Antibody Form
Liquid

Appearance
Colorless liquid

Formulation
100 µg (0.2 mg/ml) affinity purified rabbit anti-Cytochrome c polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 0.01% thimerosal.

Handling
The antibody solution should be gently mixed before use.

Reconstitution & Storage
-20 °C

Background Descriptions

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

Cytochrome c Antibody - Protein Information

Name Cyct

Function
Electron carrier protein. The oxidized form of the cytochrome c heme group can accept an electron from the heme group of the cytochrome c1 subunit of cytochrome reductase. Cytochrome c then transfers this electron to the cytochrome oxidase complex, the final protein carrier in the mitochondrial electron-transport chain.

Cellular Location
Mitochondrion intermembrane space. Note=Loosely associated with the inner membrane

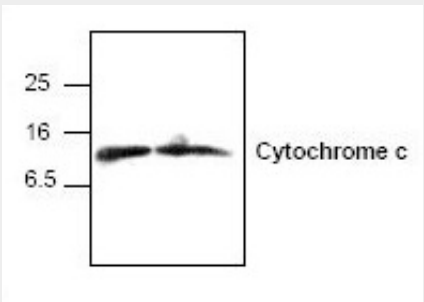
Tissue Location
This is one of two isocytochromes C found in the testis. The other is identical with the form found in other rat tissues. These cytochromes are assumed to be located in the sperm

Cytochrome 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

Cytochrome c Antibody - Images



Western blot analysis of cytochrome c in Jurkat (left lane) and 3T3 (right lane) cell lysates.

Cytochrome c Antibody - Background

Cytochrome c (m.w. 12,500) is an electron transport protein from mitochondria. It is released from mitochondria to cytoplasm during the early stages of apoptosis, prior to caspase activation, DNA fragmentation, and loss of membrane potential. The cytoplasmic cytochrome c is associated with

Apaf-1 and caspase-9 to activate caspase-3 and other caspases