

Monoclonal Antibody to Cytochrome c - Purified

Alternate names: CYCS, CYC

Catalog No.: AM00498PU-N

Quantity: 0.1 mg

Concentration: 0.2 mg/ml

Background: Cytochrome c is an electron transporting protein that resides within the intermembranespace of the mitochondria, where it plays a critical role in the process of oxidative phosphorylation and production of cellular ATP. An increasing amount of interest has been directed toward the role which cytochrome c has been demonstrated to play in apoptotic processes. Following exposure to apoptotic stimuli, cytochrome c is rapidly released from the mitochondria into the cytosol, an event which may be required for the completion of apoptosis in some systems. Cytosolic cytochrome c functions in the activation of caspase-3, and ICE family molecule that is a key effector of apoptosis.

Uniprot ID: P99999

Host / Isotype: Mouse / IgG2b

Clone: 7H8.2C12

Immunogen: Synthetic peptides corresponding to amino acids 1-80, 81-104 and 66-104 of pigeon cytochrome c

Format: State: Liquid ascites fluid

Purification: Protein A chromatography

Buffer System: 10 mM PBS, pH 7.4, with 0.2 % BSA and 0.09 % sodium azide

Applications: Western Blotting (2).

Immunohistology (Formalin/paraffin): 1-2 µg/ml for 30 min at RT, staining of formalin-fixed tissues REQUIRES boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 min.

Positive Control: HeLa cells. Cardiac muscle.

Does not work in Immunoprecipitation.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity: This antibody detects Cytochrome c.

Species: Human, Mouse, Rat, Horse, Dog, Pigeon, Frog, and Drosophila.

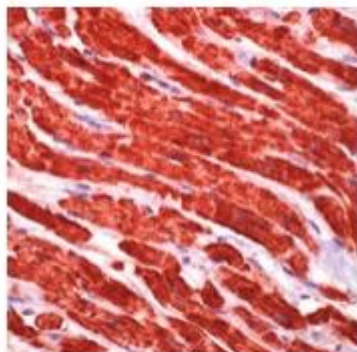
Others not tested.

Add. Information: Mol. Wt. of Antigen: 15 kDa

Storage: Store the antibody at 2 - 8 °C up to one month or in aliquots at -20 °C for longer. Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

Pictures:



Formalin-fixed, paraffin-embedded human heart stained with AM00498PU-N using peroxidase-conjugate and AEC chromogen. Note cytoplasmic staining of cardiac muscle.

Recommended

Isotype Controls:

SM12P, AM03110PU-N