

9853 Pacific Heights Blvd. Suite D. San Diego, CA 92121, USA Tel: 858-263-4982

Email: info@abeomics.com

10-1051: Monoclonal Antibody to Cytochrome C (Clone: ABM30D4)

Clonality: Monoclonal Clone Name: ABM30D4

Application: WB

Reactivity: Rat, Mouse, Human

Gene : CYCS
Gene ID : 54205
Uniprot ID : P99999
Format : Purified
Alternative Name : CYCS,CYC

Isotype: Mouse IgG1 Kappa

Immunogen Information: Full length recombinant Cytochrome C protein was used as the immunogen for this antibody.

Description

Cytochrome C is an inner mitochondrial membrane hemeprotein encoded by CYCS gene. Cytochrome C has two major roles within the cell; firstly, it acts as an electron carrier between Complex III (Cytochrome bc1 complex) and Complex IV (Cytochrome C oxidase). The second important function of Cytochrome C is in apoptosis. In response to extrinsic or intrinsic signals and upon suppression of anti-apoptotic molecules, several pro-apoptotic molecules are activated that disturb the mitochondrial membrane permeability and causes the release of Cytochrome C. Cytochrome C then binds to apoptotic protease activating factor-1 (Apaf-1). This complex interacts with pro-caspase 9 and initiates the caspase cascade resulting in apoptosis. Human Cytochrome C has a molecular mass of 11 kDa. Defect in the CYCS gene is associated with autosomal dominant diseases like thrombocytopenia type 4 (THC4). High levels of Cytochrome C are found in blood leukocytes, kidney, liver, heart and brain.

Product Info

Amount: 25 μg / 100 μg

Purification: Protein G Chromatography

Content: 25 μg in 50 μl/100 μg in 200 μl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium

azide is highly toxic.

Storage condition : Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid

repeated freeze and thaw cycles.

Application Note

Western blot analysis: 2-4 µg/ml



9853 Pacific Heights Blvd. Suite D. San Diego, CA 92121, USA Tel: 858-263-4982

Email: info@abeomics.com

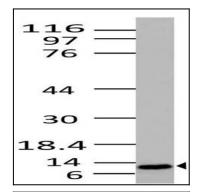


Figure-1: Western blot analysis of Cytochrome C. Anti- Cytochrome C antibody (Clone: ABM30D4) was used at 2 μ g/ml on human Heart lysate.

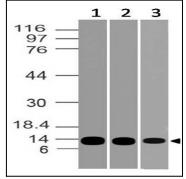


Figure-2: Western blot analysis of Cytochrome C. Anti- Cytochrome C antibody (Clone: ABM30D4) was used at 1 μ g/ml on (1) m Heart, (2) r Heart and (3) 3T3 lysates.