

**DATASHEET**

Version: 2016-08-17

**Cytochrome C Antibody, pAb, Rabbit****Cat. No.:** A01507-40**Size:** 40 µg**Synonyms:** Rabbit Anti-Cytochrome C polyclonal antibody; CYC antibody**Description:**

Cytochrome C is an electron transporting protein that resides within the intermembrane space 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, an ICE family molecule that is a key effector of apoptosis. GenScript Rabbit Anti-Cytochrome C Polyclonal Antibody is developed in rabbit using a KLH-coupled synthetic peptide from N-terminal of human Cytochrome C (Swiss Prot: P99999).

**Immunogen:** KLH-coupled synthetic peptide from N-terminal of human Cytochrome C (Swiss Prot: P99999).**Host:** Rabbit**Antigen Synonyms:** Human**Conjugation:** Unconjugated**Predicated Band Size:**

12 KD

**Observed Band Size:**

12 KD

**Formulation:****Example**

0.5 mg/ml, lyophilized with PBS, pH 7.4, containing 0.02% sodium azide.

**Ig Subclass:** Rabbit IgG**Specificity:** GenScript Rabbit Anti-Cytochrome C Polyclonal Antibody detects endogenous levels of human and mouse Cytochrome C. Predicted to react with rat Cytochrome C according to sequence homology.**Purification:** Immunoaffinity chromatography.**Applications:**

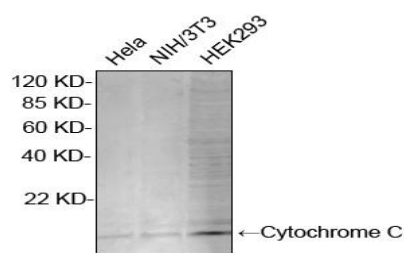
Working concentrations for specific applications should be determined by the investigator. The appropriate concentrations may be affected by secondary antibody affinity, antigen concentration, the sensitivity of the method of detection, temperature, the length of the incubations, and other factors. The suitability of this antibody for applications other than those listed below has not been determined. The following concentration ranges are recommended starting points for this product.

**Western blot:** 1-2 µg/ml**Flow cytometry:** 1-3 µg for 1 x 10<sup>6</sup> cells**Other applications:** user-optimized**Species Reactivity:** Human and mouse.**Reconstitution:**

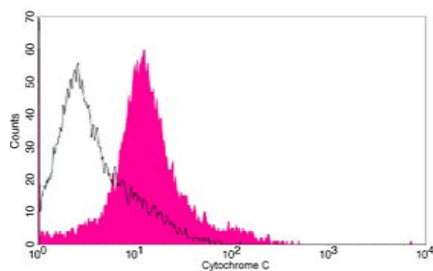
Reconstitute the lyophilized powder with deionized water (or equivalent) to an antibody concentration of 0.5 mg/ml.

**Storage:**

The antibody is stable in lyophilized form if stored at -20°C or below. The reconstituted antibody can be stored for 2-3 weeks at 2-8°C. For long term storage, aliquot and store at -20°C or below. Avoid repeated freezing and thawing cycles.



Western blot analysis of cell lysates using Rabbit Anti-Cytochrome C Polyclonal Antibody (GenScript, A01507, 2 µg/ml). The signal was developed with IRDye™ 800 Conjugated Goat Anti-Rabbit IgG. Predicted Size: 12 KD Observed Size: 12 KD



Flow cytometric analysis of Ramos cells using Cytochrome C Antibody, pAb, Rabbit (GenScript, A01507; shaded histogram) or with an isotype control antibody (GenScript, A01008; open histogram), followed by R-PE conjugated anti-rabbit IgG.