

**Cytochrome C (7C10) Mouse mAb****db6489****Package : 50µL 100µL****Product Name :** Cytochrome C (7C10) Mouse mAb**Cat.No.:** db6489**Synonyms :** CYCS; CYC; Cytochrome c**Application :** WB, ICC/IF, IHC-P**Reactivity :** Human, Mouse, Rat, Chicken**Host species :** Mouse**Background**

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. Plays a role in apoptosis. Suppression of the anti-apoptotic members or activation of the pro-apoptotic members of the Bcl-2 family leads to altered mitochondrial membrane permeability resulting in release of cytochrome c into the cytosol. Binding of cytochrome c to Apaf-1 triggers the activation of caspase-9, which then accelerates apoptosis by activating other caspases.

**Immunogen**

Recombinant Protein of CYCS

**Gene ID**

54205

**Swiss Prot**

P99999

**Synonyms**

CYCS; CYC; Cytochrome c

**Reactivity**

Human, Mouse, Rat, Chicken

**Application**

WB, ICC/IF, IHC-P

**Recommended dilution**

WB: 1:500-1000

IHC: 1:50-100

ICC/IF: 1:50-1:200

**Calculated MW**

12 kDa

**Observed MW**

12 kDa

**Host species**

Mouse

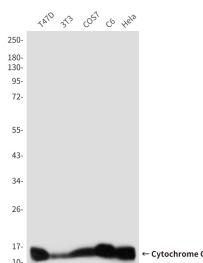
**Clonality**

Monoclonal

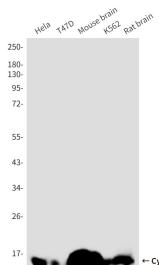
**Clonality No.**

7C10-3H3-9A3

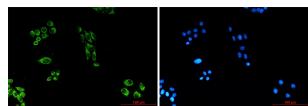
<b>Isotype</b>	IgG1
<b>Purity</b>	Affinity Purification
<b>Conjugation</b>	Un-conjugated
<b>Storage Stability</b>	Store at -20°C. Supplied in PBS, 50% Glycerol(pH 7.3), 0.02% sodium azide and 0.5% BSA . Stable for 12 months from date of receipt.



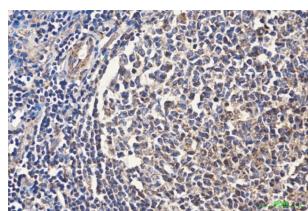
Western blot analysis of Cytochrome c in T47D, 3T3, COS7, C6 and Hela lysates using Cytochrome c antibody.



Western blot analysis of Cytochrome C (7C10) in Hela, T47D, mouse brain, K562, rat brain lysates using Cytochrome C (7C10) antibody.



Immunocytochemistry analysis of Cytochrome C (7C1) (green) in Hela using Cytochrome C (7C1) antibody, and DAPI (blue)



Immunohistochemistry analysis of paraffin-embedded human tonsil tissue using Cytochrome C (7C10) antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.