

# Anti-Cytochrome C CYCS Rabbit Monoclonal Antibody

Catalog # ABO14124

## Product Information

---

|                          |                                                                                                                                              |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Application</b>       | WB, IHC, IF, ICC, IP                                                                                                                         |
| <b>Primary Accession</b> | <a href="#">P99999</a>                                                                                                                       |
| <b>Host</b>              | Rabbit                                                                                                                                       |
| <b>Isotype</b>           | Rabbit IgG                                                                                                                                   |
| <b>Reactivity</b>        | Rat, Human, Mouse                                                                                                                            |
| <b>Clonality</b>         | Monoclonal                                                                                                                                   |
| <b>Format</b>            | Liquid                                                                                                                                       |
| <b>Description</b>       | Anti-Cytochrome C CYCS Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF, IP applications. This antibody reacts with Human, Mouse, Rat. |

## Additional Information

---

|                                 |                                                                                                                                            |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene ID</b>                  | 54205                                                                                                                                      |
| <b>Other Names</b>              | Cytochrome c, CYCS, CYC                                                                                                                    |
| <b>Calculated MW</b>            | 11749                                                                                                                                      |
| <b>Application Details</b>      | WB 1:1000-1:2000<br>IHC 1:50-1:200<br>ICC/IF 1:50-1:200<br>IP 1:30                                                                         |
| <b>Subcellular Localization</b> | Mitochondrion intermembrane space. Loosely associated with the inner membrane.                                                             |
| <b>Source</b>                   | Eukaryota                                                                                                                                  |
| <b>Contents</b>                 | Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.                        |
| <b>Clone Names</b>              | Clone: GOC-3                                                                                                                               |
| <b>Immunogen</b>                | A synthesized peptide derived from human Cytochrome C                                                                                      |
| <b>Purification</b>             | Affinity-chromatography                                                                                                                    |
| <b>Storage</b>                  | Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles. |

## Protein Information

---

|             |      |
|-------------|------|
| <b>Name</b> | CYCS |
|-------------|------|

**Synonyms**

CYC

**Function**

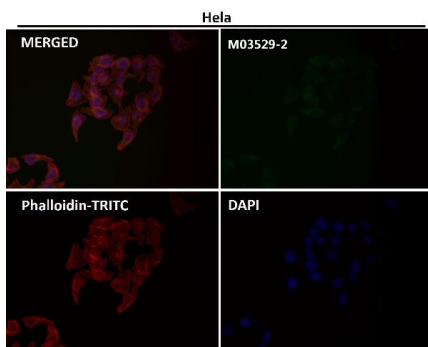
Electron carrier protein. The oxidized form of the cytochrome c heme group can accept an electron from the heme group of the cytochrome c1 subunit of cytochrome reductase. Cytochrome c then transfers this electron to the cytochrome oxidase complex, the final protein carrier in the mitochondrial electron-transport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

**Cellular Location**

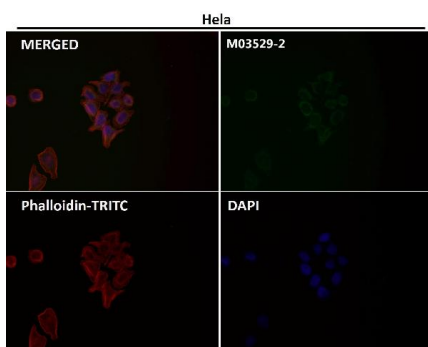
Mitochondrion intermembrane space. Note=Loosely associated with the inner membrane

**Images**

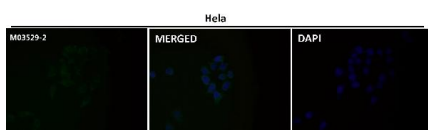
---



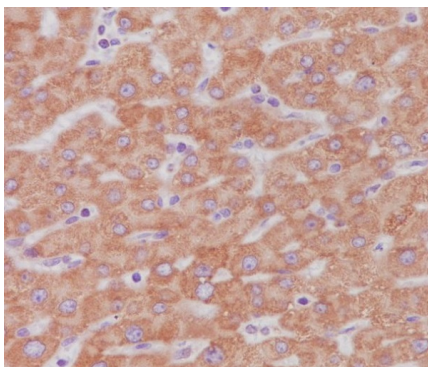
Immunofluorescent analysis using the Antibody at 1:50 dilution.



Immunofluorescent analysis using the Antibody at 1:50 dilution.



Immunofluorescent analysis using the Antibody at 1:50 dilution.



Immunohistochemical analysis of paraffin-embedded human liver, using Cytochrome C Antibody.

Immunofluorescent analysis of HeLa cells, using Cytochrome C Antibody.

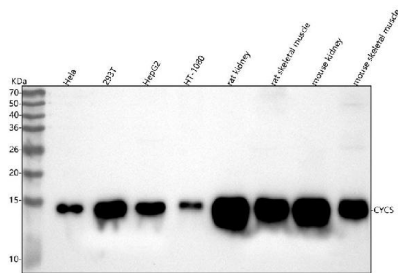
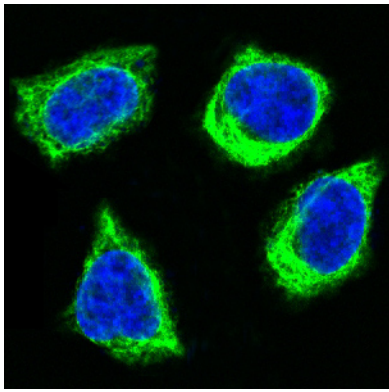


Figure 1. Western blot analysis of CYCS using anti-CYCS antibody (M03529-2).

Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: human Hela whole cell lysates,  
Lane 2: human 293T whole cell lysates,  
Lane 3: human HepG2 whole cell lysates,  
Lane 4: human HT-1080 whole cell lysates,  
Lane 5: rat kidney tissue lysates,  
Lane 6: rat skeletal muscle tissue lysates,  
Lane 7: mouse kidney tissue lysates,  
Lane 8: mouse skeletal muscle tissue lysates.

After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-CYCS antigen affinity purified monoclonal antibody (Catalog # M03529-2) at 1:1000 overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:500 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for CYCS at approximately 14 kDa. The expected band size for CYCS is at 12 kDa.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.