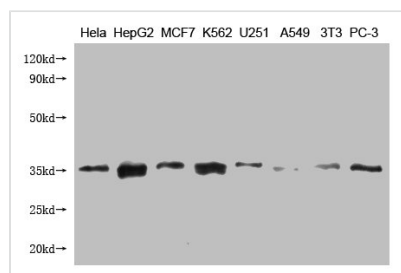




CYC1 Monoclonal Antibody

Product Code	CSB-MA006327A0m
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P08574
Immunogen	Recombinant Human Cytochrome c1 protein (85-325AA)
Raised In	Mouse
Species Reactivity	Human, Mouse
Tested Applications	ELISA, WB, FC; Recommended dilution: WB: 1:1000-1:5000, FC: 1:50-1:200
Relevance	<p>Component of the ubiquinol-cytochrome c oxidoreductase, a multisubunit transmembrane complex that is part of the mitochondrial electron transport chain which drives oxidative phosphorylation. The respiratory chain contains 3 multisubunit complexes succinate dehydrogenase (complex II, CII), ubiquinol-cytochrome c oxidoreductase (cytochrome b-c1 complex, complex III, CIII) and cytochrome c oxidase (complex IV, CIV), that cooperate to transfer electrons derived from NADH and succinate to molecular oxygen, creating an electrochemical gradient over the inner membrane that drives transmembrane transport and the ATP synthase. The cytochrome b-c1 complex catalyzes electron transfer from ubiquinol to cytochrome c, linking this redox reaction to translocation of protons across the mitochondrial inner membrane, with protons being carried across the membrane as hydrogens on the quinol. In the process called Q cycle, 2 protons are consumed from the matrix, 4 protons are released into the intermembrane space and 2 electrons are passed to cytochrome c. Cytochrome c1 is a catalytic core subunit containing a c-type heme. It transfers electrons from the [2Fe-2S] iron-sulfur cluster of the Rieske protein to cytochrome c.</p>
Form	Liquid
Conjugate	Non-conjugated
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Purification Method	>95%, Protein A purified
Isotype	IgG1
Clonality	Monoclonal
Product Type	Monoclonal Antibody
Immunogen Species	Homo sapiens (Human)
Research Area	Tags & Cell Markers; Metabolism; Signal transduction
Gene Names	CYC1
Clone No.	27E12D11
Image	



Western Blot

Positive WB detected in: CYC1 antibody at 1:1000

Lane 1: HeLa whole cell lysate

Lane 2: HepG2 whole cell lysate

Lane 3: MCF-7 whole cell lysate

Lane 4: K562 whole cell lysate

Lane 5: U251 whole cell lysate

Lane 6: A549 whole cell lysate

Lane 7: NIH/3T3 whole cell lysate

Lane 8: PC-3 whole cell lysate

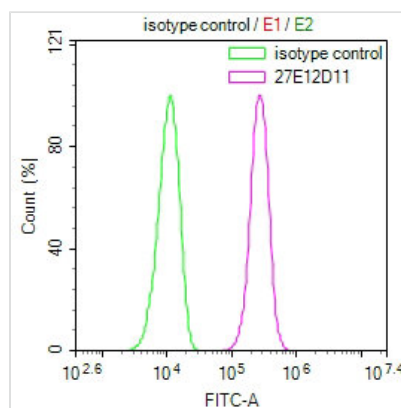
Secondary

Goat polyclonal to Mouse IgG at 1/20000 dilution

Predicted band size: 35 KDa

Observed band size: 35 KDa

Exposure time: 5min



Overlay Peak curve showing HepG2 cells

stained with CSB-MA006327A0m (red line) at 1:100. The cells were incubated in 10% normal goat serum to block non-specific protein-protein interactions followed by the antibody (1 μ g/1*10⁶cells) for 1h at 4°C. The secondary antibody used was FITC-conjugated Goat Anti-Mouse IgG(H+L) at 1/100 dilution for 30min at 4°C. Isotype control antibody (green line) was mouse IgG1 (1 μ g/1*10⁶cells) used under the same conditions. Acquisition of >10,000 events was performed.