

# Product Datasheet

## Cytochrome c Antibody (6H2.B4) NBP2-24872

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NBP2-24872****Cytochrome c Antibody (6H2.B4)**

<b>Product Information</b>	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	0.5 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	6H2.B4
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG1 Kappa
<b>Purity</b>	Protein G purified
<b>Buffer</b>	0.2 ml PBS and 0.05% BSA

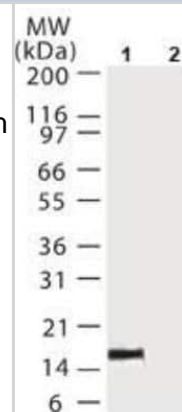
<b>Product Description</b>	
<b>Host</b>	Mouse
<b>Gene ID</b>	54205
<b>Gene Symbol</b>	CYCS
<b>Species</b>	Human, Mouse, Rat
<b>Marker</b>	Mitochondria Marker
<b>Immunogen</b>	Rat cytochrome c was used as immunogen to generate 6H2.B4 hybridoma clone (Goshorn et al, 1991). The antibody recognizes an epitope around residue 62 of rat Cytochrome c, based on competitive ELISA results (Goshorn et al. 1991).

<b>Product Application Details</b>	
<b>Applications</b>	Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunoprecipitation, Block/Neutralize
<b>Recommended Dilutions</b>	Immunohistochemistry reported in scientific literature (PMID 28194435), Immunocytochemistry/ Immunofluorescence reported in scientific literature (PMID 16540654), Immunoprecipitation 2 ug/1X10 <sup>6</sup> cells, Block/Neutralize

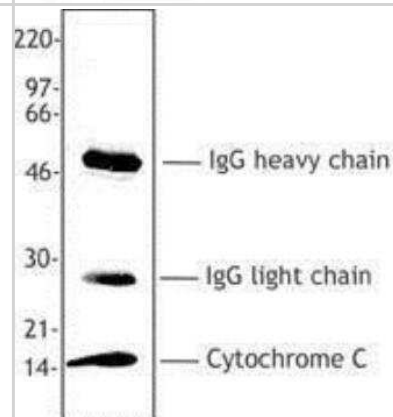


## Images

Immunoprecipitation: Cytochrome c Antibody (6H2.B4) [NBP2-24872] - Immunoprecipitation/analysis using cytochrome c antibodies. Two micrograms of cytochrome c antibody clone 6H2.B4 (lane 1) or control IgG antibody (lane 2) were used to immunoprecipitate cytochrome c from  $1 \times 10^6$  HeLa cells. The immunoprecipitated protein was resolved by SDS-PAGE and probed with cytochrome antibody clone 7H8.2C12 .



Immunoprecipitation: Cytochrome c Antibody (6H2.B4) [NBP2-24872] - Cytochrome c was immunoprecipitated from HeLa cell extract (1% NP-40) using 2-4 ug 6H2.B4 antibody/1 x10<sup>7</sup> cell equivalents.



## Publications

Howie D, Cobbold SP, Adams E et al. Foxp3 drives oxidative phosphorylation and protection from lipotoxicity. *JCI Insight*. 2017-02-09 [PMID: 28194435]

You RI, Chen MC, Wang HW et al. Inhibition of lymphotoxin-beta receptor-mediated cell death by survivin-DeltaEx3. *Cancer Res*. 2006-03-15 [PMID: 16540654]

Rashmi R, Kumar S, Karunagaran D. Human colon cancer cells lacking Bax resist curcumin-induced apoptosis and Bax requirement is dispensable with ectopic expression of Smac or downregulation of Bcl-XL. *Carcinogenesis*. 2005-04-01 [PMID: 15661804]

Chan WH, Wu CC, Yu JS. Curcumin inhibits UV irradiation-induced oxidative stress and apoptotic biochemical changes in human epidermoid carcinoma A431 cells. *J Cell Biochem*. 2003-10-01 [PMID: 14505349]

Goshorn SC, Retzel E, Jemmerson R. Common structural features among monoclonal antibodies binding the same antigenic region of cytochrome c. *J Biol Chem*. 1991-02-05 [PMID: 1703527]

Chan WH, Wu HJ. Anti-apoptotic effects of curcumin on photosensitized human epidermal carcinoma A431 cells. *J Cell Biochem*. 2004-05-01 [PMID: 15095415]



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### Products Related to NBP2-24872

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
210-TA-005	TNF-alpha [Unconjugated]

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### Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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