

# Product Datasheet

## Cytochrome c Antibody (7H8.2C12) - Azide and BSA Free NBP2-80686

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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**NBP2-80686****Cytochrome c Antibody (7H8.2C12) - Azide and BSA Free**

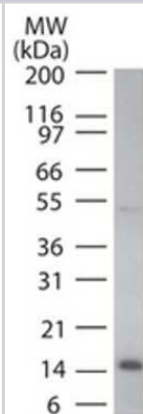
<b>Product Information</b>	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	1 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	7H8.2C12
<b>Preservative</b>	No Preservative
<b>Isotype</b>	IgG2b Kappa
<b>Purity</b>	Protein G purified
<b>Buffer</b>	PBS

<b>Product Description</b>	
<b>Host</b>	Mouse
<b>Gene ID</b>	54205
<b>Gene Symbol</b>	CYCS
<b>Species</b>	Human, Mouse, Rat, Drosophila, Rabbit
<b>Immunogen</b>	Synthetic peptides corresponding to amino acids 1-80, 81-104 and 66-104 of pigeon CYT were used as the immunogen (Jemmerson et al. 1991). The antibody recognizes an epitope within amino acids 93-104 of pigeon cytochrome C based on competitive ELISA results (Jemmerson et al. 1991).

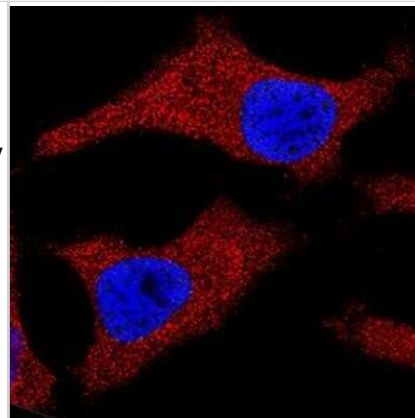
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Simple Western, Flow Cytometry, Flow (Cell Surface), Flow (Intracellular), Immunoblotting, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready
<b>Recommended Dilutions</b>	Western Blot 0.05-0.5 ug/ml, Simple Western 2.5 ug/ml, Flow Cytometry 1:20-1:2000, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence 1:10-1:500. Use reported in scientific literature (Yamasaki et al (2006)), Immunohistochemistry-Paraffin 1:10-1:500. Use reported in scientific literature (Fujimara et al (1998)), Immunoblotting reported in scientific literature (PMID 16436379), Flow (Cell Surface) reported in scientific literature (PMID 16467206), Flow (Intracellular) reported in scientific literature (Mohr et al (2004)), CyTOF-ready

**Images**

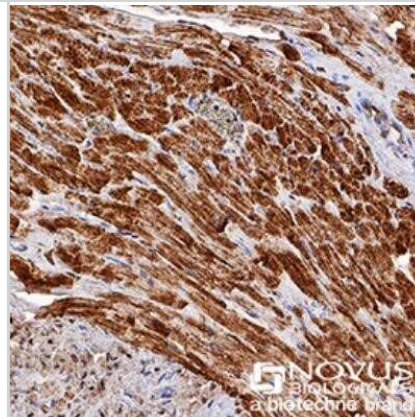
Western Blot: Cytochrome c Antibody (7H8.2C12) - Azide and BSA Free [NBP2-80686] - Human HeLa lysate probed with Cytochrome C antibody at 0.1 ug/ml. Image from the standard format of this antibody.



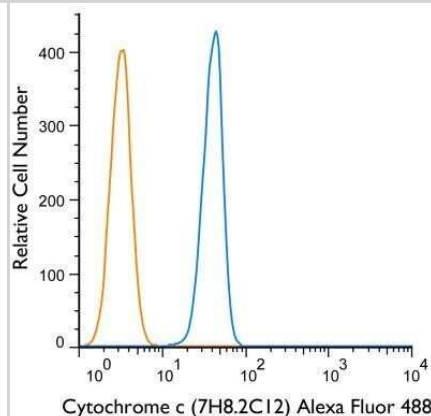
**Immunocytochemistry/Immunofluorescence: Cytochrome c Antibody (7H8.2C12) - Azide and BSA Free [NBP2-80686] - p73** was detected in immersion fixed HeLa human cell line using NB100-56503 at 25 ug/ml for 3 hours at room temperature. Cells were stained using the NorthernLights(TM) 557-conjugated Anti-Mouse IgG Secondary Antibody (red; Catalog # NL007) and counterstained with DAPI (blue). Staining was observed in the cytoplasm and mitochondria. Image from the standard format of this antibody.



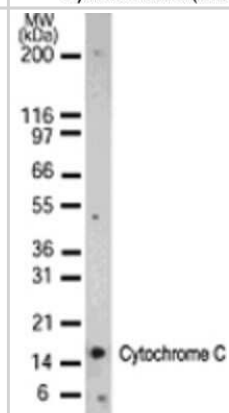
**Immunohistochemistry: Cytochrome c Antibody (7H8.2C12) - Azide and BSA Free [NBP2-80686] - Cytochrome C** was detected in immersion fixed paraffin-embedded sections of human heart using anti-human mouse monoclonal antibody (Catalog # NB100-56503) at 1:200 dilution overnight at 4C. Tissue was stained using the VisuCyte anti-mouse HRP polymer detect



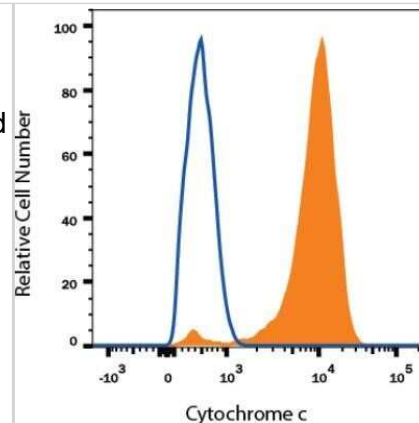
**Flow Cytometry: Cytochrome c Antibody (7H8.2C12) - Azide and BSA Free [NBP2-80686]** - Using the Alexa Fluor 488 direct conjugate, an intracellular stain was performed on HeLa cells with Cytochrome c (7H8.2C12) antibody NB100-56503AF488 (blue) and a matched isotype control NBP2-27231AF488 (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 10 ug/mL for 30 minutes at room temperature. Both antibodies were directly conjugated to Alexa Fluor 488.



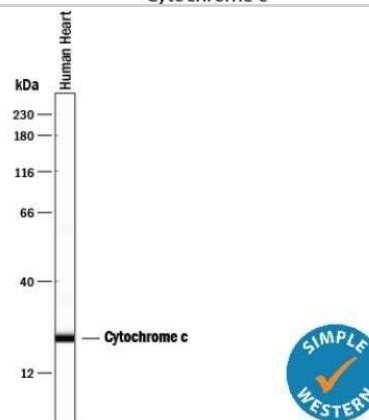
**Western Blot: Cytochrome c Antibody (7H8.2C12) - Azide and BSA Free [NBP2-80686]** - Analysis using the biotin conjugate of NB100-56503. Detection of Cytochrome C in 15 mg of HeLa cell lysate using NB100-55775 at 1:1000. A 15 kDa band is detected.



Flow Cytometry: Cytochrome c Antibody (7H8.2C12) - Azide and BSA Free [NBP2-80686] - Detection of Cytochrome C in Human HeLa Cell Line by Flow Cytometry. Human HeLa cell line was stained with Mouse Anti- Cytochrome C Monoclonal Antibody (Catalog # NB100-56503, filled histogram), or Mouse IgG2B isotype control (Catalog # MAB0041, open histogram) followed by APC-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # F0101B). To facilitate intracellular staining, cells were fixed with Flow Cytometry Fixation Buffer (Catalog # FC004) and permeabilized with Flow Cytometry Permeabilization/Wash Buffer I (Catalog # FC005). Images may not be copied, printed or otherwise disseminated without express written permission of Novus Biologicals a Bio-Techne brand. Image from the standard format of this antibody.



Simple Western: Cytochrome c Antibody (7H8.2C12) - Azide and BSA Free [NBP2-80686] - Lane view shows lysates of human heart tissue, loaded at 0.2 mg/mL. A specific band was detected for Cytochrome c at approximately 23 kDa (as indicated) using 2.5 ug/mL of Mouse Anti-Cytochrome c Monoclonal Antibody (Catalog # NB100-56503). This experiment was conducted under reducing conditions and using the 12-230 kDa separation system. Image from the standard format of this antibody.





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### **Products Related to NBP2-80686**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43317-0.5mg	Mouse IgG2b Kappa Light Chain Isotype Control (MG2b)
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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