

Product Datasheet

Cytochrome c Antibody (CYCS/3128R) - Azide and BSA Free NBP3-08598

Unit Size: 100 ug

Store at -20 to -80C. Avoid freeze-thaw cycles.

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NBP3-08598

Cytochrome c Antibody (CYCS/3128R) - Azide and BSA Free

| Product Information | |
|-------------------------|---|
| Unit Size | 100 ug |
| Concentration | 1 mg/ml |
| Storage | Store at -20 to -80C. Avoid freeze-thaw cycles. |
| Clonality | Monoclonal |
| Clone | CYCS/3128R |
| Preservative | No Preservative |
| Isotype | IgG |
| Purity | Protein A or G purified |
| Buffer | 1mM PBS |
| Target Molecular Weight | 15 kDa |

| Product Description | |
|-------------------------|---|
| Description | 1.0 mg/ml of antibody purified from Bioreactor Concentrate by Protein A/G. Prepared in 1mM PBS WITHOUT BSA & azide. Also available at 200 ug/ml WITH BSA & azide (NBP3-07619). Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80 C. |
| Host | Rabbit |
| Gene ID | 54205 |
| Gene Symbol | CYCS |
| Species | Human, Mouse, Rat, Amphibian, Canine, Drosophila, Equine, Pigeon |
| Reactivity Notes | Frog |
| Marker | Mitochondrial Marker |
| Specificity/Sensitivity | It recognizes an epitope within amino acids 93-104 of pigeon Cytochrome C, a well-characterized mobile electron transport protein that is essential to energy conversion in all aerobic organisms. In mammalian cells, this highly conserved protein is normally localized to the mitochondrial inter-membrane space. More recent studies have identified cytosolic cytochrome c as a factor necessary for activation of apoptosis. During apoptosis, cytochrome c is trans-located from the mitochondrial membrane to the cytosol, where it is required for activation of caspase-3 (CPP32). Overexpression of Bcl-2 has been shown to prevent the translocation of cytochrome c, thereby blocking the apoptotic process. Overexpression of Bax has been shown to induce the release of cytochrome c and to induce cell death. The release of cytochrome c from the mitochondria is thought to trigger an apoptotic cascade, whereby Apaf-1 binds to Apaf-3 (caspase-9) in a cytochrome c-dependent manner, leading to caspase-9 cleavage of caspase-3. This monoclonal antibody recognizes total cytochrome C which includes both apocytochrome (i.e. cytochrome in the cytosol without heme attached) and holocytochrome (i.e. cytochrome in the mitochondria with heme attached). |
| Immunogen | Recombinant full-length human Cytochrome c protein (Uniprot: P99999) |

| Product Application Details | |
|-----------------------------|--|
| Applications | Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin |

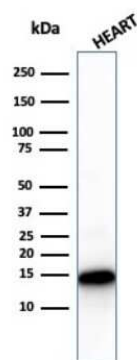


| | |
|------------------------------|--|
| Recommended Dilutions | Western Blot 1-2 ug/ml, Flow Cytometry 1-2 ug/million cells, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1-2 ug/ml, Immunohistochemistry-Paraffin |
| Application Notes | Immunohistochemistry Formalin-fixed: 0.25-0.5ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95C followed by cooling at RT for 20 minutes. |

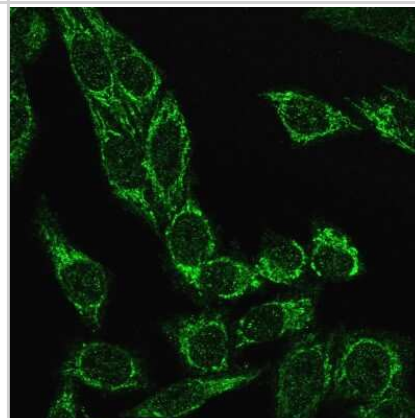


Images

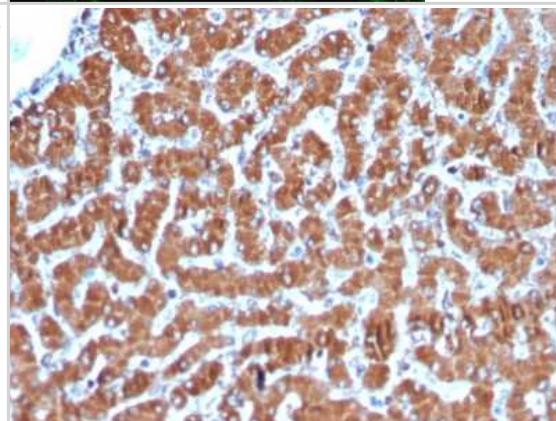
Western Blot: Cytochrome c Antibody (CYCS/3128R) - Azide and BSA Free [NBP3-08598] - Western Blot Analysis of human heart tissue lysate using Cytochrome c Recombinant Rabbit Monoclonal Antibody (CYCS/3128R).



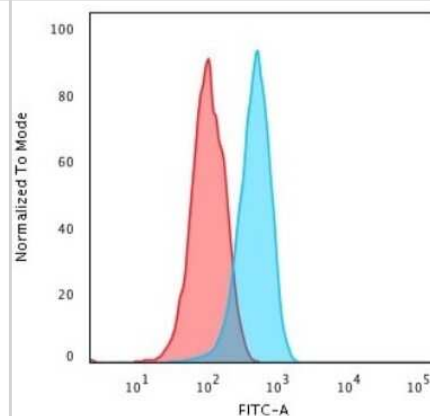
Immunocytochemistry/Immunofluorescence: Cytochrome c Antibody (CYCS/3128R) - Azide and BSA Free [NBP3-08598] - Immunofluorescence Analysis of PFA fixed HeLa cells labeling Cytochrome c Recombinant Rabbit Monoclonal Antibody (CYCS/3128R) followed by goat anti-rabbit IgG-CF488 (Green)



Immunohistochemistry-Paraffin: Cytochrome c Antibody (CYCS/3128R) - Azide and BSA Free [NBP3-08598] - Formalin-fixed, paraffin-embedded human Liver stained with Cytochrome c Recombinant Rabbit Monoclonal Antibody (CYCS/3128R).



Flow Cytometry: Cytochrome c Antibody (CYCS/3128R) - Azide and BSA Free [NBP3-08598] - Flow Cytometric Analysis of PFA fixed HeLa cells using Cytochrome c Recombinant Rabbit Monoclonal Antibody (CYCS/3128R) followed by goat anti-rabbit IgG-CF488 (Blue); Goat anti-Mouse IgG-CF488 is Control (Red).





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Products Related to NBP3-08598

| | |
|------------|---|
| HAF008 | Goat anti-Rabbit IgG Secondary Antibody [HRP] |
| NB7160 | Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP] |
| NBP2-24891 | Rabbit IgG Isotype Control |
| 210-TA-005 | TNF-alpha [Unconjugated] |

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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