

Product Datasheet

Cytochrome c Antibody (CYCS/3128R) NBP3-07619-100ug

Unit Size: 100 ug

Store at 4C.

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NBP3-07619-100ug

Cytochrome c Antibody (CYCS/3128R)

Product Information	
Unit Size	100 ug
Concentration	0.2 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	CYCS/3128R
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein A or G purified
Buffer	1mM PBS with 0.05% BSA
Target Molecular Weight	15 kDa

Product Description	
Description	200ug/ml of antibody purified from Bioreactor Concentrate by Protein A or G. Prepared in 1 mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0 mg/ml. (NBP3-08598) 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)

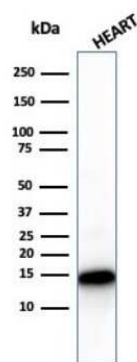
Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin

Recommended Dilutions	Western Blot 1-2 ug/ml, Flow Cytometry 1-2 ug/million cells, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1-2 ug/ml, Immunohistochemistry-Paraffin 1-2 ug/ml
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. Optimal dilution for a specific application should be determined.

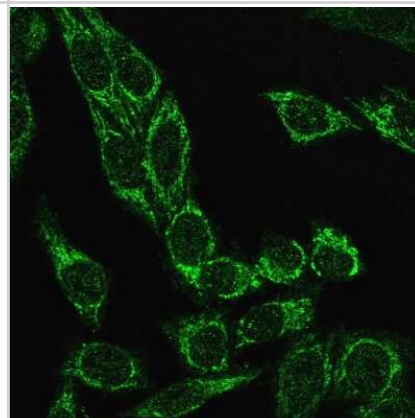


Images

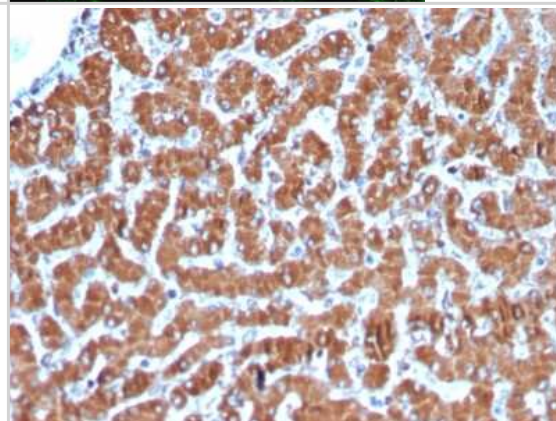
Western Blot: Cytochrome c Antibody (CYCS/3128R) [NBP3-07619] - Western Blot Analysis of human heart tissue lysate using Cytochrome c Recombinant Rabbit Monoclonal Antibody (CYCS/3128R).



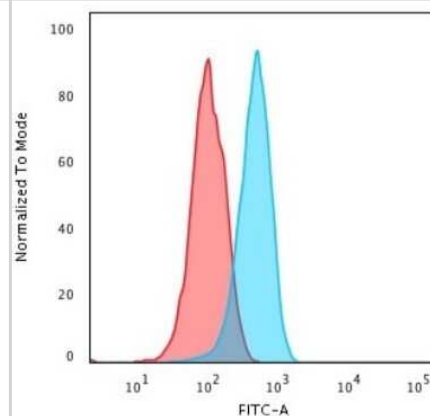
Immunocytochemistry/Immunofluorescence: Cytochrome c Antibody (CYCS/3128R) [NBP3-07619] - Immunofluorescence Analysis of PFA fixed HeLa cells labeling Cytochrome c Recombinant Rabbit Monoclonal Antibody (CYCS/3128R) followed by goat anti-rabbit IgG-CF488 (Green)



Immunohistochemistry-Paraffin: Cytochrome c Antibody (CYCS/3128R) [NBP3-07619] - Formalin-fixed, paraffin-embedded human Liver stained with Cytochrome c Recombinant Rabbit Monoclonal Antibody (CYCS/3128R).



Flow Cytometry: Cytochrome c Antibody (CYCS/3128R) [NBP3-07619] - 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 NBP3-07619-100ug

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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