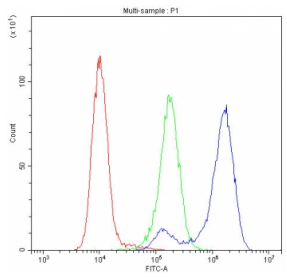
Cytochrome C Antibody [clone 5F10] (RQ4499)

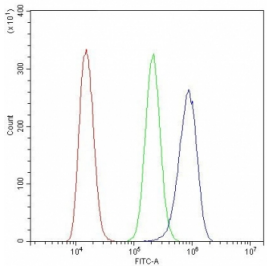
Catalog No.	Formulation	Size
RQ4499	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

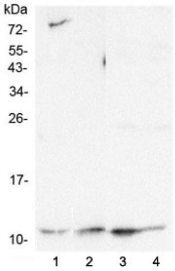
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1
Clone Name	5F10
Purity	Protein G affinity
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	P99999
Localization	Cytoplasm
Applications	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml Flow Cytometry : 1-3ug/10^6 cells Immunofluorescence : 2-4ug/ml
Limitations	This Cytochrome C antibody is available for research use only.



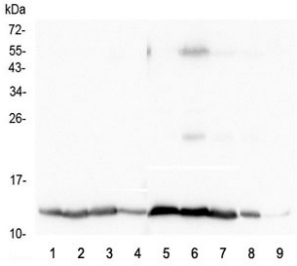
Flow cytometry testing of human K562 cells with Cytochrome C antibody at 1ug/10^6 cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Cytochrome C antibody.



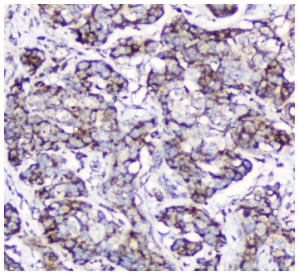
Flow cytometry testing of human A431 cells with Cytochrome C antibody at 1ug/10^6 cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Cytochrome C antibody.



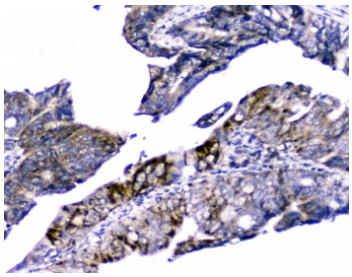
Western blot testing of human 1) HeLa, 2) HepG2, 3) K562 and 4) Caco-2 lysate with Cytochrome C antibody at 0.5ug/ml. Expected molecular weight: 12-14 kDa.



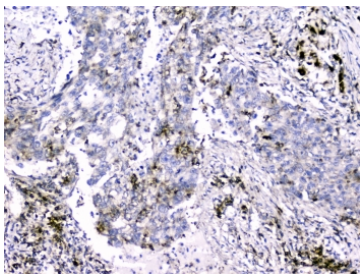
Western blot testing of 1) rat brain, 2) rat heart, 3) rat kidney, 4) rat testis, 5) mouse brain, 6) mouse heart, 7) mouse kidney, 8) mouse testis and 9) mouse Neuro-2a lysate with Cytochrome C antibody at 0.5ug/ml. Expected molecular weight: 12-14 kDa.



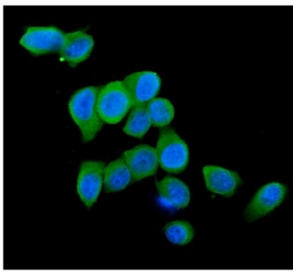
IHC testing of FFPE human breast cancer with Cytochrome C antibody at 2ug/ml. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 20 min.



IHC testing of FFPE human intestinal cancer with Cytochrome C antibody at 2ug/ml. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 20 min.



IHC testing of FFPE human lung cancer with Cytochrome C antibody at 2ug/ml. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 20 min.



Immunofluorescent staining of FFPE human MCF7 cells with Cytochrome C antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.

Description

CYCS is also known as CYC, HCS or THC4. This gene encodes a small heme protein that functions as a central component of the electron transport chain in mitochondria. The encoded protein associates with the inner membrane of the mitochondrion where it accepts electrons from cytochrome b and transfers them to the cytochrome oxidase complex. This protein is also involved in initiation of apoptosis. Mutations in this gene are associated with autosomal dominant nonsyndromic thrombocytopenia. Numerous processed pseudogenes of this gene are found throughout the human genome.

Application Notes

Optimal dilution of the Cytochrome C antibody should be determined by the researcher.

Immunogen

Human Cytochrome C recombinant protein (amino acids G2-E105) was used as the immunogen for the Cytochrome C antibody.

Storage

After reconstitution, the Cytochrome C antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com