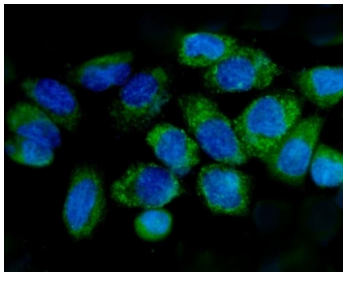
Cytochrome C Antibody (R30284)

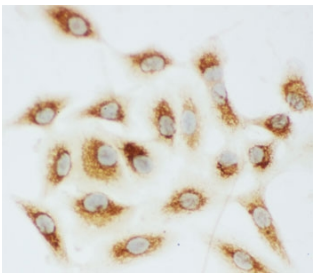
Catalog No.	Formulation	Size
R30284	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

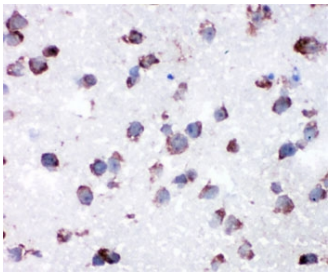
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	P99999
Localization	Cytoplasm
Applications	Western blot: 0.5-1ug/ml Immunohistochemistry (FFPE): 1-2ug/ml Immunohistochemistry (Frozen): 1-2ug/ml Immunocytochemistry: 1-2ug/ml Immunofluorescence: 5ug/ml Flow cytometry: 1-3ug/million cells
Limitations	This Cytochrome C antibody is available for research use only.



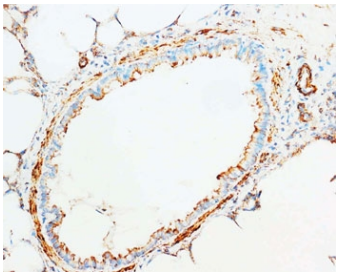
Immunofluorescent staining of FFPE human Caco-2 cells with Cytochrome C antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



ICC testing of Cytochrome C antibody and FFPE A549 cells. HIER: steam section in pH6 citrate buffer for 20 min.



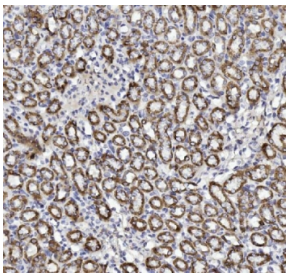
IHC-P: Cytochrome C antibody testing of FFPE rat lung tissue. HIER: steam section in pH6 citrate buffer for 20 min.



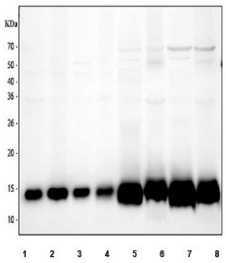
IHC-F testing of Cytochrome C antibody and rat brain tissue.



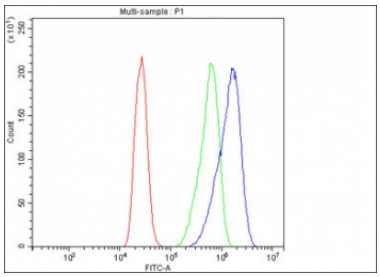
IHC staining of FFPE human skeletal muscle with Cytochrome C antibody. HIER: steam section in pH6 citrate buffer for 20 min.



IHC staining of FFPE rat kidney with Cytochrome C antibody. HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of 1) human HeLa, 2) human 293T, 3) human HepG2, 4) human HT-1080, 5) rat kidney, 6) rat skeletal muscle, 7) mouse kidney and 8) mouse skeletal muscle tissue lysate with Cytochrome C antibody. Predicted molecular weight ~11 kDa.



Flow cytometry testing of fixed and permeabilized human Caco-2 cells with Cytochrome C antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Cytochrome C antibody.

Description

Cytochrome C is located in the mitochondria of all aerobic cells and is involved in the electron transport system. Human cytochrome c has 104 amino acid residues and a molecular weight of 11,458 and is mapped to 7p15.2. Cytochrome c released from mitochondria has been proposed to be an essential component of an apoptotic pathway responsive to DNA damage and other forms of cell stress. And it has a role in different apoptotic signaling cascades.

Application Notes

The stated application concentrations are suggested starting points. Titration of the Cytochrome C antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

Amino acids 91-105 (ERADLIAYLKKATNE) were used as the immunogen for this Cytochrome C antibody (100% homologous in human, mouse and rat).

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
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