



Product Information Sheet

Polyclonal Anti-Cytochrome C

Catalogue No. PA1118

Lot No. 0111112151856

Ig type: rabbit IgG

Size: 100µg/vial

Specificity

Human, mouse, rat.

No cross reactivity with other proteins.

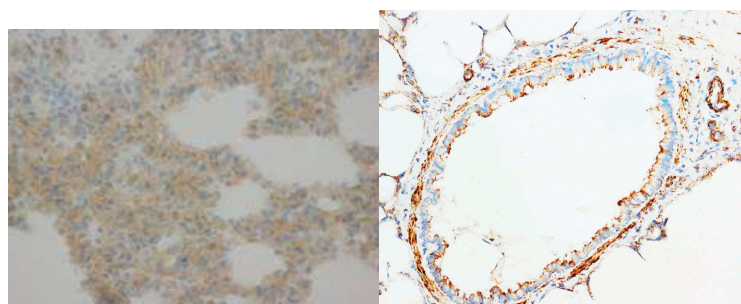
Recommended application

Western blot

Immunohistochemistry(P)

Immunohistochemistry(F)

Immunocytochemistry



Immunogen

A synthetic peptide corresponding to a sequence at the C-terminal of human Cytochrome C (91-105 aa), identical to the related rat and mouse sequence.

Purity

Immunogen affinity purified.

Application

	Concentration	Tested Species	Concluded Species	Antigen Retrieval
WB	1µg/ml	Hu, rat, Ms	-	-
IHC-P	1µg/ml	Hu, rat	Ms	By Heat
IHC-F	1µg/ml	Hu, rat	Ms	-
ICC	1µg/ml	Hu	-	-

WB: The detection limit for Cytochrome C is approximately 2.5ng/lane under non-reducing and reducing conditions.

Other applications have not been tested.

Optimal dilutions should be determined by end user.

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na₂HPO₄, 0.05mg Thimerosal, 0.05mg NaN₃.

Reconstitution

0.2ml of distilled water will yield a concentration of 500µg/ml.

Storage

At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for longer time.

To reorder contact us at:

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BACKGROUND

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.

REFERENCE

1. Li, K.; Li, Y.; Shelton, J. M.; Richardson, J. A.; Spencer, E.; Chen, Z. J.; Wang, X.; Williams, R. S. : Cytochrome c deficiency causes embryonic lethality and attenuates stress-induced apoptosis. *Cell* 101: 389-399, 2000.