

For Research Use Only

Cytochrome c Recombinant antibody

Catalog Number: 83276-1-RR

Featured Product



Basic Information

Catalog Number:

83276-1-RR

Concentration:

1000 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1455

GenBank Accession Number:

BC009578

GeneID (NCBI):

54205

UNIPROT ID:

P99999

Full Name:

cytochrome c, somatic

Calculated MW:

12 kDa

Observed MW:

12-15 kDa

Purification Method:

Protein A purification

CloneNo.:

230503E10

Recommended Dilutions:

WB 1:5000-1:50000

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IF/ICC, FC (Intra), ELISA

Species Specificity:

human, mouse

Positive Controls:

WB : HeLa cells, HepG2 cells, Jurkat cells, mouse kidney tissue

IF/ICC : A431 cells,

Background Information

Cytochrome c is a 12-15 kDa electron transporting protein located in the inner mitochondrial membrane. As a part of respiratory chain, cytochrome c plays a critical role in the process of oxidative phosphorylation and ATP producing. Besides, cytochrome c also gets implicated in apoptosis process. Upon apoptotic stimulation, cytochrome c can be released from mitochondria into cytoplasm, which is required for caspase-3 activation and the occurrence of apoptosis.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

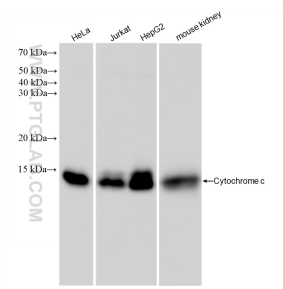
T: 4006900926

E: Proteintech-CN@ptglab.com

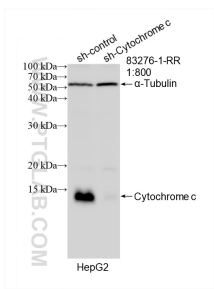
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

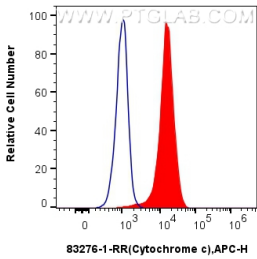
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83276-1-RR (Cytochrome c antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



WB result of Cytochrome c antibody (83276-1-RR; 1:800; incubated at room temperature for 1.5 hours) with sh-Control and sh-Cytochrome c transfected HepG2 cells.



1×10^6 HeLa cells were intracellularly stained with 0.25 μ g Cytochrome c Recombinant antibody (83276-1-RR, Clone:230503E10) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (red), or 0.25 μ g Rabbit IgG control Rabbit PolyAb (30000-O-AP) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Immunofluorescent analysis of (4% PFA) fixed A431 cells using Cytochrome c antibody (83276-1-RR, Clone: 230503E10) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).