Nur für Forschungszwecke

Cytochrome c Monoklonaler Antikörper

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Antibodies | ELISA kits | Proteins
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Katalog-Nr.:66264-1-Ig Vorgestelltes Produkt 76 Publikationen

Allgemeine Informationen

Katalog-Nr.:
66264-1-Ig

Größe:
150ul , Konzentration: 1828 μg/ml von Nanodrop und 1000 μg/ml durch die Bradford-Methode mit BSA als Standard;

Wirt:
Maus

Isotyp:
IgG2a

Immunogen Katalognummer:
AG24349

GenBank-Zugangsnummer:
BC009578

GeneID (NCBI):
54205

Vollständiger Name:
cytochrome c, somatic

Berechneté Masse:
12 kDa

Beobachteté Masse:
12-15 kDa

Reinigungsmethode:
Protein-A-Reinigung

CloneNo.:
2D8D11

Empfohlene Verdünnungen:
WB 1:5000-1:50000
IHC 1:1000-1:5000
IF 1:20-1:200

Anwendungen

Geprüfte Anwendungen:
FC, IF, IHC, WB, ELISA

In Publikationen genannte Anwendungen:
IF, WB

Getestete Reaktivität:
Human, Maus, Ratte

Zitierte Arten:
Human, Hund, Maus, Ratte

Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.

Positivkontrollen:

WB : HeLa-Zellen, HEK-293-Zellen, humanes Herzgewebe, humanes Skelettmuskelgewebe, Jurkat-Zellen, Maus-Skelettmuskelgewebe, MCF-7-Zellen, Ratten-Skelettmuskelgewebe, RAW 264.7-Zellen, ROS1728-Zellen

IHC : humanes Leberkarzinomgewebe, humanes Mammakarzinomgewebe

IF : HepG2-Zellen,

Hintergrundinformationen

Cytochrome c is a 12-15 kDa electron transporting protein located in the inner mitochondrial membrane. Upon apoptotic stimulation, cytochrome c can be released from mitochondria into cytoplasm, resulting in caspase-3 activation and apoptosis. Measurement of cytochrome c release from the mitochondria is useful for detection of the onset of apoptosis in cells. In addition, cytochrome c can also leave cells and be detectable in extra-cellular medium of apoptotic cells and serum of cancer patients. The level of serum cytochrome c may serve as a prognostic maker during cancer therapy.

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Xudong Yao	30273654	Pharmacol Res	WB
Zi-Chao Wang	36163178	Cell Death Dis	WB
Na Jiang	32975326	Cell Prolif	WB

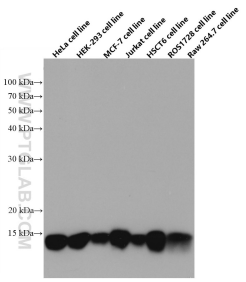
Lagerung

Lagerungsbedingungen:
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil
Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.
Aliquotieren ist nicht notwendig bei -20°C lagerung

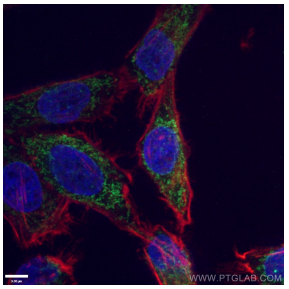
*** 20ul-Größen enthalten 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

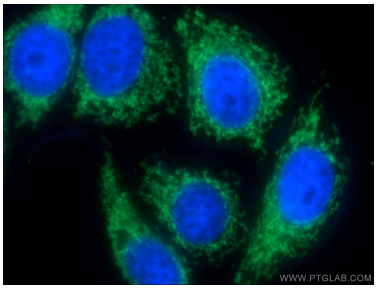
Ausgewählte Validierungsdaten



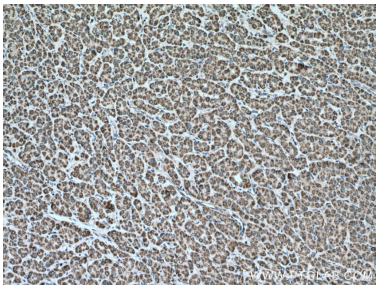
Various cells were subjected to SDS PAGE followed by western blot with 66264-1-Ig (Cytochrome c antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



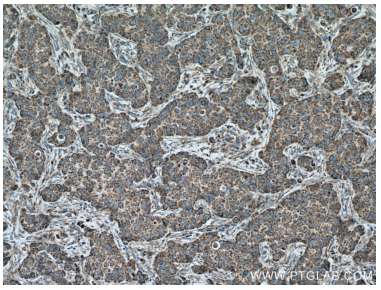
Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using 66264-1-Ig (Cytochrome c antibody) at dilution of 1:100 and CoraLite488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). Cells were co-stained with phalloidin in red.



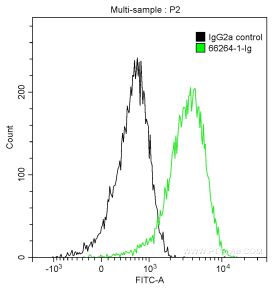
Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using 66264-1-Ig(Cytochrome c antibody) at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



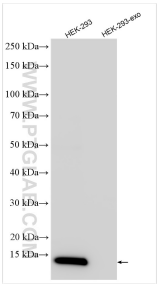
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 66264-1-Ig (Cytochrome c antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 66264-1-Ig (Cytochrome c antibody) at dilution of 1:5000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1X10^6 HepG2 cells were intracellularly stained with 0.2 ug Anti-Human Cytochrome c (66264-1-Ig, Clone:2D8D11) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (green), and 0.2 ug Mouse IgG2a Isotype Control (66360-2-Ig, Clone: K11A1B2A2) (black). Cells were fixed with 4% PFA and permeabilized with 0.1% TritonX-100.



HEK-293 cells and HEK-293-derived exosomes (HEK-293-exo) were subjected to SDS PAGE followed by western blot with 66264-1-Ig (Cytochrome c antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.