

Nur für Forschungszwecke

COXIV Polyklonaler Antikörper

Katalog-Nr.: 11242-1-AP

Vorgestelltes Produkt

326 Publikationen



Allgemeine Informationen

Katalog-Nr.: 11242-1-AP	GenBank-Zugangsnummer: BC021236	Reinigungsmethode: Antigen-Affinitätsreinigung
Größe: 150ul, Konzentration: 650 µg/ml von Nanodrop;	GeneID (NCBI): 1327	Empfohlene Verdünnungen: WB 1:5000-1:50000 IP 0.5-4.0 µg für IP und 1:500-1:2000 für WB
Wirt: Kaninchen	Vollständiger Name: cytochrome c oxidase subunit IV isoform 1	IHC 1:500-1:2000 IF 1:50-1:500
Isotyp: IgG	Berechnete Masse: 19.6 kDa	
Immunogen Katalognummer: AG1640	Beobachtete Masse: 17-18 kDa	

Anwendungen

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

In Publikationen genannte Anwendungen:
ChIP, IF, IHC, IP, WB

Getestete Reaktivität:
Human, Maus, Ratte

Zitierte Arten:
Hausschwein, Human, Hund, Maus, Ratte, Ziege

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

Positivkontrollen:

WB: HeLa-Zellen, HepG2-Zellen, Jurkat-Zellen, Maus-Skelettmuskelgewebe, NIH/3T3-Zellen, Rattenhirngewebe, Rattenlebergewebe

IP: Maus-Skelettmuskelgewebe,

IHC: humanes Prostatakarzinomgewebe, humanes Herzgewebe, humanes Pankreaskarzinomgewebe

IF: HepG2-Zellen,

Hintergrundinformationen

COX4l1, also named as COX4 and COXIV-1, belongs to the cytochrome c oxidase IV family. It is one of the nuclear-coded polypeptide chains of cytochrome c oxidase, the terminal oxidase in mitochondrial electron transport. COX4l1 is a marker for mitochondria. It has two isoforms (isoform 1 and 2). Isoform 1(COX4l1) is ubiquitously expressed and isoform 2 is highly expressed in lung tissues. COX4l1 is commonly used as a loading control. This antibody was generated against full length COX4l1 protein and cross reacts with COX4l2.

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Enrico Zampese	36179023	Sci Adv	IF
Lu Lu	36183875	Environ Pollut	WB
Yipeng Du	30279144	EBioMedicine	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

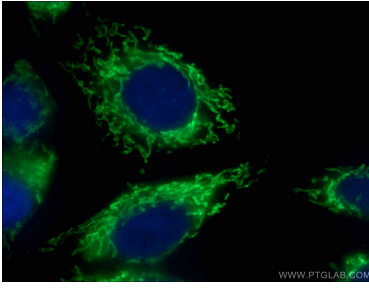
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

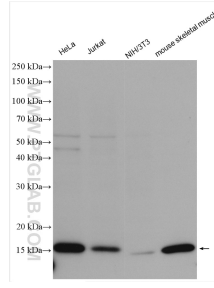
E: proteintech@ptglab.com
W: ptglab.com

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

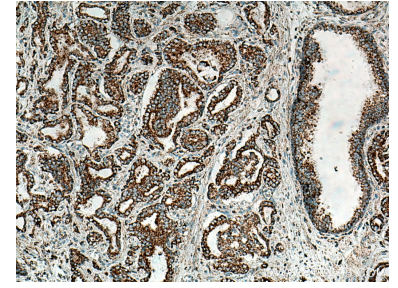
Ausgewählte Validierungsdaten



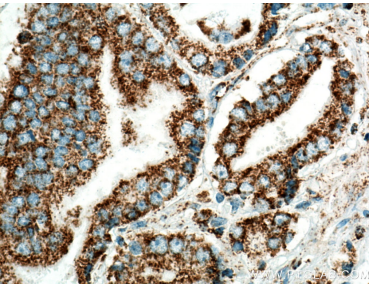
Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using 11242-1-AP (COXIV antibody) at dilution of 1:50 and Alexa Fluor 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



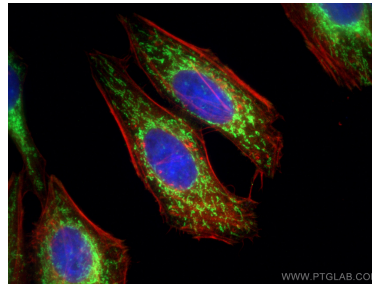
Various lysates were subjected to SDS PAGE followed by western blot with 11242-1-AP (COXIV antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



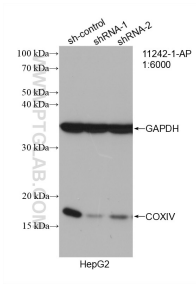
Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 11242-1-AP (COXIV antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



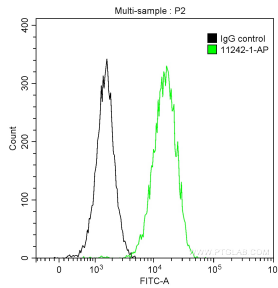
Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 11242-1-AP (COXIV antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



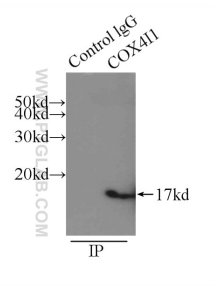
Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using COXIV antibody (11242-1-AP) at dilution of 1:200 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).



WB result of COXIV antibody (11242-1-AP; 1:6000; incubated at room temperature for 1.5 hours) with sh-Control and sh-COXIV transfected HepG2 cells.



1×10^6 HepG2 cells were intracellularly stained with 0.2 ug Anti-Human COXIV (11242-1-AP) and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (green), and 0.2 ug Control Antibody. Cells were fixed with 90% MeOH.



IP Result of anti-COXIV (IP:11242-1-AP, 3ug; Detection:11242-1-AP 1:1000) with mouse skeletal muscle tissue lysate 3500ug.