

À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-COXIV



Numéro de catalogue: 11242-1-AP

Phare

343 Publications

Informations de base

Numéro de catalogue:

11242-1-AP

Taille:

150ul, Concentration: 650 µg/ml by Nanodrop;

Hôte:

Lapin

Isotype:

IgG

Immunogen Catalog Number:

AG1640

Numéro d'acquisition GenBank:

BC021236

Identification du gène (NCBI):

1327

Nom complet:

cytochrome c oxidase subunit IV isoform 1

MW calculé

19.6 kDa

MW observés:

17-18 kDa

Méthode de purification:

Purification par affinité contre l'antigène

Dilutions recommandées:

WB 1:5000-1:20000

IP 0.5-4.0 ug for IP and 1:500-1:2000 for WB

IHC 1:200-1:1000

IF 1:50-1:500

Applications

Applications testées:

FC, IF, IHC, IP, WB, ELISA

Demandes citées:

ChIP, IF, IHC, IP, WB

Spécificité de l'espèce:

Humain, rat, souris

Espèces citées:

canin, Chèvre, Humain, porc, rat, souris

Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9.0; (*) À défaut, le démasquage de l'antigène peut être effectué avec un tampon citrate pH 6.0.

Contrôles positifs:

WB : cellules HeLa, cellules HepG2, cellules Jurkat, cellules NIH/3T3, tissu cérébral de rat, tissu de muscle squelettique de souris, tissu hépatique de rat

IP : tissu de muscle squelettique de souris,

IHC : tissu de cancer de la prostate humain, tissu cardiaque humain, tissu de cancer du pancréas humain

IF : cellules HepG2,

Informations générales

COX4I1, 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. COX4I1 is a marker for mitochondria. It has two isoforms (isoform 1 and 2). Isoform 1(COX4I1) is ubiquitously expressed and isoform 2 is highly expressed in lung tissues. COX4I1 is commonly used as a loading control. This antibody was generated against full length COX4I1 protein and cross reacts with COX4I2.

Publications notables

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

Stockage

Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:

PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquotage n'est pas nécessaire pour le stockage à -20C

*** Les 20ul contiennent 0,1% de BSA.

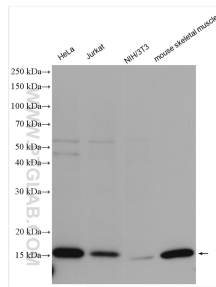
For technical support and original validation data for this product please contact:

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

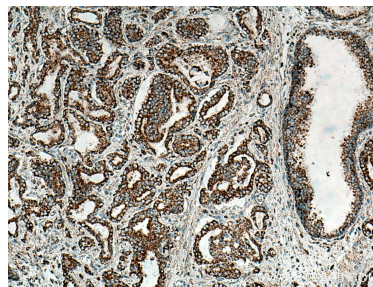
E: proteintech@ptglab.com
W: ptglab.com

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

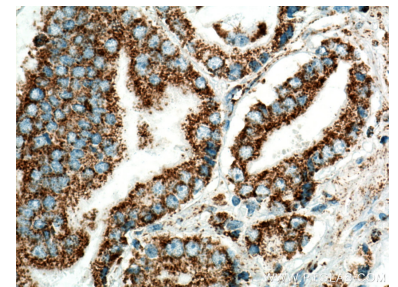
Données de validation sélectionnées



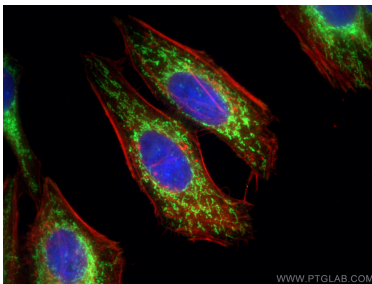
Various lysates were subjected to SDS PAGE followed by western blot with 11242-1-AP (COXIV antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



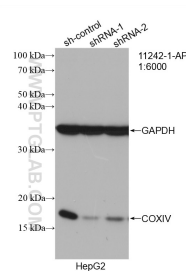
Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 11242-1-AP (COXIV antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



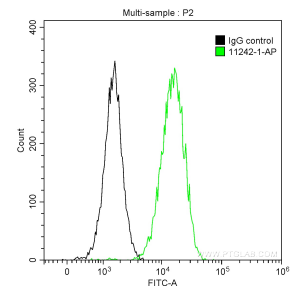
Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 11242-1-AP (COXIV antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



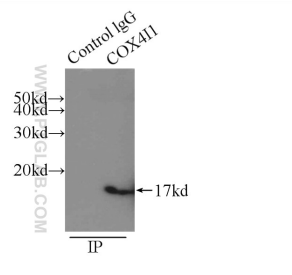
Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using COXIV antibody (11242-1-AP) at dilution of 1:200 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).



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.