

COX4I2 Polyclonal Antibody

Catalog number: 11463-1-AP

Size: 34 µg/150 µl

Source: Rabbit

Isotype: IgG

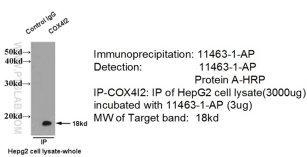
Synonyms:

COX4I2; COX IV 2, COX4, COX4

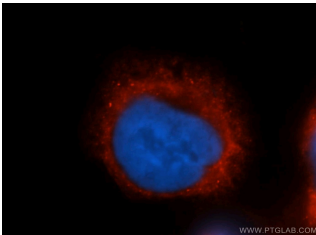
2, COX4B, COX4I2, COX4L2,

COXIV 2, dJ857M17.2

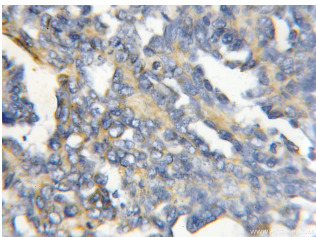
IP of 11463-1-AP with HepG2 cell



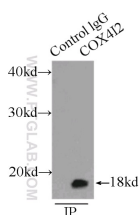
IP result of anti-COX4I2 (11463-1-AP for IP and Detection) with HepG2 cell lysate.



Immunofluorescent analysis of HeLa cells, using COX4I2 antibody 11463-1-AP at 1:50 dilution and Rhodamine-labeled goat anti-rabbit IgG (red). Blue pseudocolor = DAPI (fluorescent DNA dye).



Immunohistochemical of paraffin-embedded human ovary tumor using 11463-1-AP(COX4I2 antibody) at dilution of 1:50 (under 10x lens)



IP Result of anti-COX4I2 (IP:11463-1-AP, 3ug;

Background

COX4I2, also named as COX4L2 and COXIV-2, 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. COXIV(cytochrome c oxidase IV) has two isoforms (isoform 1 and 2). Isoform 1(COX4I1) is ubiquitously expressed and isoform 2 is highly expressed in lung tissues. This antibody was generated against full length COX4I2 protein.

Applications

Tested applications:

ELISA, WB, IHC, IF, IP

Cited applications:

WB

Species specificity:

Human, Mouse, Rat; other species not tested.

Cited species:

Human, rat

Calculated COX4I2 MW:

171aa, 20 kDa

Observed COX4I2 MW:

17-18 kDa

Positive WB detected in

MCF7 cells, A375 cells, HepG2 cells, human brain tissue, human heart tissue, human lung tissue

Positive IP detected in

HepG2 cells

Positive IHC detected in

Human ovary tumor tissue

Positive IF detected in

Hela cells

Recommended dilution:

WB: 1:500-1:5000

IP: 1:500-1:5000

IHC: 1:20-1:200

IF: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:

Ag1987

GenBank accession number:

BC057779

Gene ID (NCBI):

84701

Full name:

Cytochrome c oxidase subunit IV isoform 2 (lung)

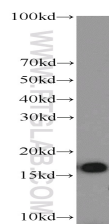
Product information

Purification method:

Antigen affinity purification

Storage:

PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.



MCF7 cells were subjected to SDS PAGE followed by

Detection:11463-1-AP 1:1000) western blot with 11463-1-
with HepG2 cells lysate AP(COX4I2 antibody) at
8000ug. dilution of 1:1000