

For Research Use Only

COX7C Polyclonal antibody

Catalog Number: 11411-2-AP

Featured Product

6 Publications



Basic Information

Catalog Number:

11411-2-AP

Size:

150ul, Concentration: 400 ug/ml by Nanodrop and 227 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1989

GenBank Accession Number:

BC007498

GeneID (NCBI):

1350

UNIPROT ID:

P15954

Full Name:

cytochrome c oxidase subunit VIIc

Calculated MW:

63 aa, 7 kDa

Observed MW:

15~28 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:20-1:200

IF/ICC 1:20-1:200

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB: mouse ovary tissue, human skeletal muscle tissue

IHC: human gliomas tissue,

IF/ICC: MCF-7 cells,

Background Information

Cytochrome c oxidase (COX), the terminal component of the mitochondrial respiratory chain, is a heteromeric complex consisting of 3 catalytic subunits encoded by mitochondrial genes and multiple structural subunits encoded by nuclear genes. COX7C (Cytochrome c oxidase subunit 7C, mitochondrial) is one of the subunits, catalyzing the electron transfer from reduced cytochrome c to molecule oxygen. This protein belongs to the cytochrome c oxidase VIIc family. The calculated molecular weight of COX7C is 7 kDa, but due to the presence of the complex, a complex form of 28 kDa may also be observed.

Notable Publications

Author	Pubmed ID	Journal	Application
Weicheng Wu	30237463	Cell Death Dis	WB
Lianqin Liu	30290033	Cancer Sci	WB
Belén Ansoleaga	27297670	J Neuropathol Exp Neurol	IF

Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

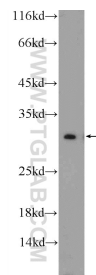
For technical support and original validation data for this product please contact:

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

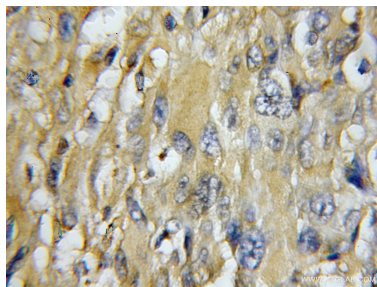
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W: ptglab.com

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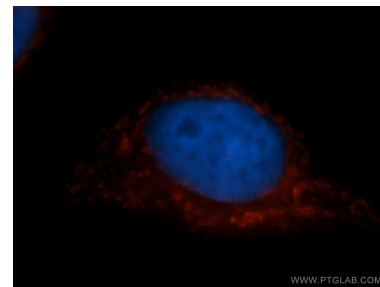
Selected Validation Data



mouse ovary tissue were subjected to SDS PAGE followed by western blot with 11411-2-AP (COX7C Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human gliomas using 11411-2-AP (COX7C antibody) at dilution of 1:100 (under 10x lens).



Immunofluorescent analysis of MCF-7 cells, using COX7C antibody 11411-2-AP at 1:50 dilution and Rhodamine-labeled goat anti-rabbit IgG (red). Blue pseudocolor = DAPI (fluorescent DNA dye).