

For Research Use Only

COX7A1 Polyclonal antibody

Catalog Number: 11413-1-AP

6 Publications



Basic Information

Catalog Number:

11413-1-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:

AG1981

GenBank Accession Number:

BC002757

GeneID (NCBI):

1346

UNIPROT ID:

P24310

Full Name:

cytochrome c oxidase subunit VIIa polypeptide 1 (muscle)

Calculated MW:

79 aa, 9 kDa

Observed MW:

7-9 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:20-1:200

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse

Cited Species:

human, mouse, rat

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 heart tissue, human brain tissue, human kidney tissue

IHC : human gliomas tissue,

Background Information

Cytochrome c oxidase(COX) catalyzes the transfer of electrons from reduced cytochrome c to molecular oxygen. Subunit VIIa of mammalian COX exists in at least 2 isoforms, liver and muscle. COX7A1(Cytochrome c oxidase subunit 7A1, mitochondrial) is also named as COX7AH, cytochrome c oxidase subunit VIIa-H, cytochrome c oxidase subunit VIIa-M and is the muscle isoform of COX subunit VIIa. Northern-blot analysis of primate tissues demonstrated that COXVIIa-M mRNA is present only in muscle tissues(PMID:1327965).

Notable Publications

Author	Pubmed ID	Journal	Application
Ben Shabat Moti	34179944	Cereb Cortex	IHC
Veronika Boczonadi	25666558	Int J Biochem Cell Biol	WB, IF
Sikai Wang	38969639	Cell Death Dis	WB

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

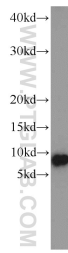
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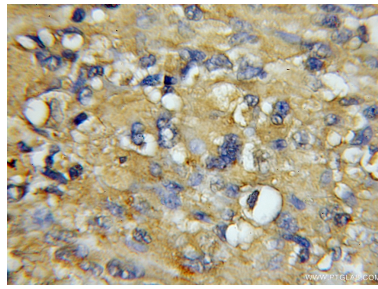
E: proteintech@ptglab.com
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Selected Validation Data



mouse heart tissue were subjected to SDS PAGE followed by western blot with 11413-1-AP (COX7A1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human gliomas using 11413-1-AP (COX7A1 antibody) at dilution of 1:100 (under 10x lens).