

For Research Use Only

COX7C Polyclonal antibody

Catalog Number: 11411-2-AP

6 Publications



Basic Information

Catalog Number: 11411-2-AP	GenBank Accession Number: BC007498	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 400 µg/ml by Nanodrop and 227 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 1350	Recommended Dilutions: WB 1:500-1:2000 IHC 1:20-1:200 IF 1:20-1:200
Source: Rabbit	Full Name: cytochrome c oxidase subunit VIIc	
Isotype: IgG	Calculated MW: 63 aa, 7 kDa	
Immunogen Catalog Number: AG1989	Observed MW: 15~28 kDa	

Applications

Tested Applications: IF, IHC, WB, ELISA	Positive Controls:
Cited Applications: IF, WB	WB : mouse ovary tissue, human skeletal muscle tissue
Species Specificity: human, mouse, rat	IHC : human gliomas tissue,
Cited Species: human, mouse	IF : MCF-7 cells,
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

COX7C (Cytochrome c oxidase subunit 7C, mitochondrial) is the terminal enzyme in the mitochondrial respiratory chain (oxidative phosphorylation OXPHOS), catalyzing the electron transfer from reduced cytochrome c to molecular oxygen. This protein belongs to the cytochrome c oxidase VIIc family. The full length protein has a transit peptide with 16 amino acids. This antibody is specific to COX7C.

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

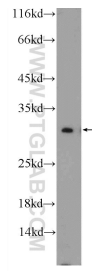
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

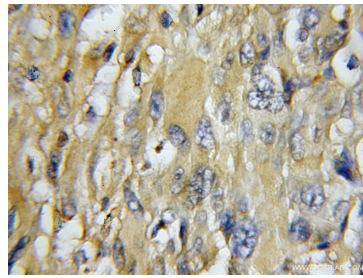
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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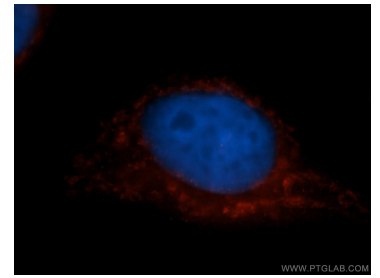
Selected Validation Data



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).