

COX5A Polyclonal antibody

Catalog Number: 11448-1-AP

20 Publications

Basic Information

Catalog Number: 11448-1-AP	GenBank Accession Number: BC024240	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 260 µg/ml by Nanodrop and 200 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 9377	Recommended Dilutions: WB 1:500-1:1000 IHC 1:20-1:200 IF 1:20-1:200
Source: Rabbit	Full Name: cytochrome c oxidase subunit Va	
Isotype: IgG	Calculated MW: 150 aa, 17 kDa	
Immunogen Catalog Number: AG2005	Observed MW: 13 kDa	

Applications

Tested Applications: IF, IHC, WB, ELISA	Positive Controls:
Cited Applications: IHC, WB	WB: mouse brain tissue, human liver tissue, rat brain tissue, L02 cells, HeLa cells
Species Specificity: human, mouse, rat	IHC: human gliomas tissue, human colon tissue, human lung cancer tissue
Cited Species: human, rat, mouse, monkey, zebrafish, pig, chimpanzee	IF: HeLa 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

COX5A (Cytochrome c oxidase subunit 5A, mitochondrial) is also named COXVA and belongs to the cytochrome c oxidase subunit 5A family. This is the heme A-containing chain of cytochrome c oxidase, the terminal oxidase in mitochondrial electron transport. The mature human COX Va polypeptide shares 35% and 95% protein sequence identity with the corresponding *S. cerevisiae* COX subunit VI and bovine COX Va, respectively (PMID:2853101).

Notable Publications

Author	Pubmed ID	Journal	Application
Weicheng Wu	30237463	Cell Death Dis	WB
Yuehong Wang	32918657	Cardiovasc Drugs Ther	WB
Minghua Yang	36309482	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.

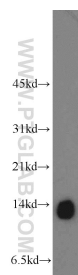
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

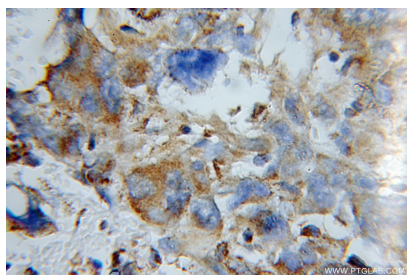
For technical support and original validation data for this product please contact:
 T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
 E: proteintech@ptglab.com
 W: ptglab.com

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

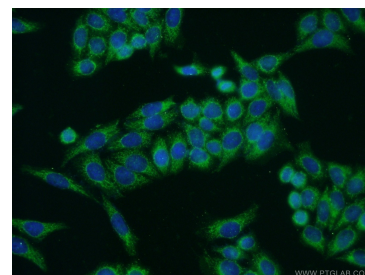
Selected Validation Data



mouse brain tissue were subjected to SDS PAGE followed by western blot with 11448-1-AP (COX5A Antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human gliomas using 11448-1-AP (COX5A antibody) at dilution of 1:50 (under 10x lens).



Immunofluorescent analysis of HeLa cells using 11448-1-AP (COX5A antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).