

For Research Use Only

COX5A Polyclonal antibody

Catalog Number: 11448-1-AP **23 Publications**



Basic Information

Catalog Number: 11448-1-AP	GenBank Accession Number: BC024240	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 260 ug/ml by Nanodrop and 200 ug/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/ICC 1:20-1:200
Source: Rabbit	UNIPROT ID: P20674	
Isotype: IgG	Full Name: cytochrome c oxidase subunit Va	
Immunogen Catalog Number: AG2005	Calculated MW: 150 aa, 17 kDa	
	Observed MW: 13 kDa	

Applications

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

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

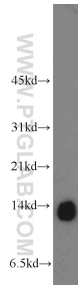
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

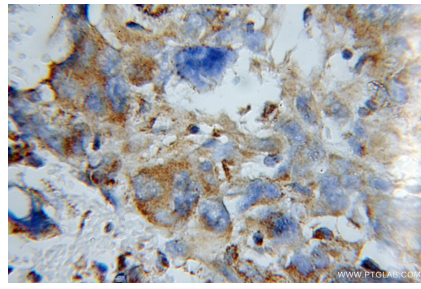
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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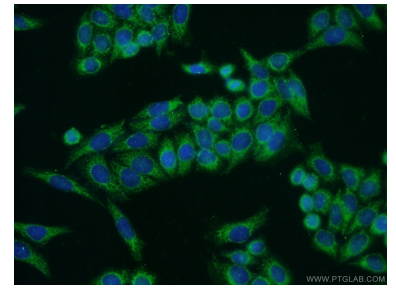
Selected Validation Data



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).