

For Research Use Only

# COX5A Polyclonal antibody

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



## Basic Information

<b>Catalog Number:</b> 11448-1-AP	<b>GenBank Accession Number:</b> BC024240	<b>Purification Method:</b> Antigen affinity purification
<b>Concentration:</b> 350 ug/ml	<b>GeneID (NCBI):</b> 9377	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IHC 1:20-1:200 IF/ICC 1:20-1:200
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P20674	
<b>Isotype:</b> IgG	<b>Full Name:</b> cytochrome c oxidase subunit Va	
<b>Immunogen Catalog Number:</b> AG2005	<b>Calculated MW:</b> 150 aa, 17 kDa <b>Observed MW:</b> 13 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, IF/ICC, ELISA	<b>Positive Controls:</b> 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,
<b>Cited Applications:</b> WB, IHC	
<b>Species Specificity:</b> human, mouse, rat	
<b>Cited Species:</b> human, mouse, rat, pig, monkey, zebrafish, chimpanzee	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## 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

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

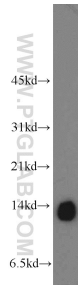
T: 4006900926

E: Proteintech-CN@ptglab.com

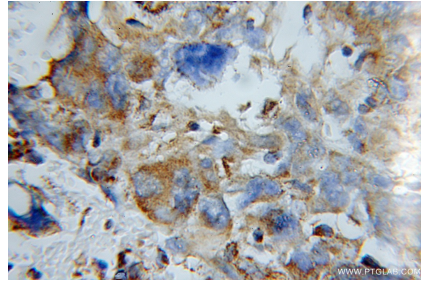
W: ptgcn.com

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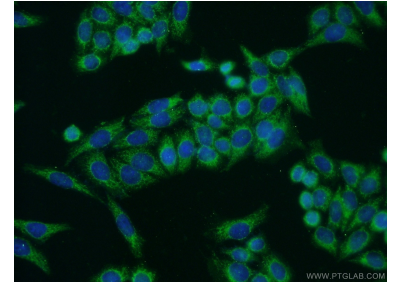
## Selected Validation Data



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).