For Research Use Only

COX6B1 Polyclonal antibody

Catalog Number:11425-1-AP 9 Publications

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Basic Information

Catalog Number:
11425-1-AP

Size:
150ul , Concentration: 800 ug/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG1984

GenBank Accession Number:
BC001015

GeneID (NCBI):
1340

UNIPROT ID:
P14854

Full Name:
cytochrome c oxidase subunit Vib polypeptide 1 (ubiquitous)

Calculated MW:
80 aa, 10 kDa

Observed MW:
10-13 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:1000-1:6000
IHC 1:50-1:500
IF/ICC 1:50-1:500

Applications

Tested Applications:
WB, IHC, IF/ICC, ELISA

Cited Applications:
WB

Species Specificity:
human, mouse, rat

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 : HL-60 cells, Caco-2 cells, HeLa cells, HepG2 cells

IHC : human liver cancer tissue, human gliomas tissue, human breast cancer tissue

IF/ICC : A431 cells,

Background Information

COX6B1 (Cytochrome c oxidase subunit 6B1) is also named as COX6B and belongs to the cytochrome c oxidase subunit 6B family. It connects the two COX monomers into the physiological dimeric form. Defects in COX6B1 are a cause of mitochondrial complex IV deficiency (MT-C4D).

Notable Publications

Author	Pubmed ID	Journal	Application
Erika Fernández-Vizarra	36198313	Cell Metab	WB
Natalia Papadopoulos	29545370	J Cell Biol	WB
Neeraja Purandare	29540477	J Biol Chem	WB

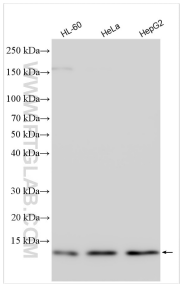
Storage

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

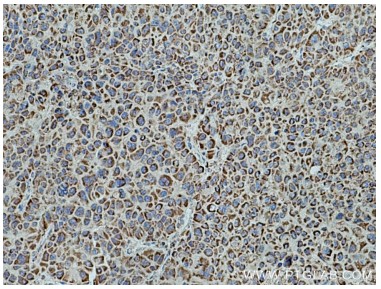
*** 20ul sizes contain 0.1% BSA

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

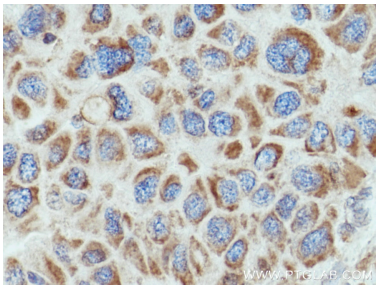
Selected Validation Data



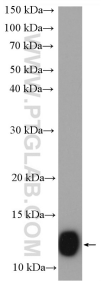
Various lysates were subjected to SDS PAGE followed by western blot with 11425-1-AP (COX6B1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



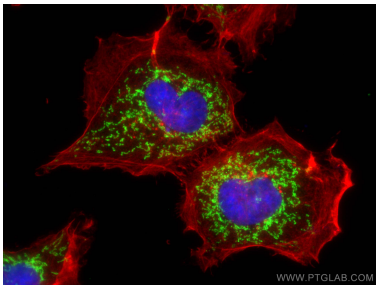
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 11425-1-AP (COX6B1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 11425-1-AP (COX6B1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Caco-2 cells were subjected to SDS PAGE followed by western blot with 11425-1-AP (COX6B1 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed A431 cells using COX6B1 antibody (11425-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-phalloidin (red).