

For Research Use Only

COA6 Polyclonal antibody

Catalog Number: 24209-1-AP

Featured Product

3 Publications



Basic Information

Catalog Number:

24209-1-AP

Size:

750 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG21525

GenBank Accession Number:

BC116455

GeneID (NCBI):

388753

UNIPROT ID:

Q5JTJ3

Full Name:

chromosome 1 open reading frame 31

Calculated MW:

125 aa, 14 kDa

Observed MW:

10 - 18 kDa

Purification Method:

Antigen Affinity purified

Recommended Dilutions:

WB 1:500-1:2000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

IHC 1:500-1:2000

Applications

Tested Applications:

IHC, IP, WB, ELISA

Cited Applications:

IF, WB

Species Specificity:

human, mouse

Cited Species:

human

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 : HEK-293 cells, mouse liver tissue

IP : HEK-293 cells,

IHC : human kidney tissue,

Background Information

C1orf31, also known as COA6, is a conserved mitochondrial protein required for respiratory complex IV biogenesis. Recently study reported that C1orf31 is required for maintenance of cytochrome c oxidase (CcO) subunit levels, and has role in the Cu delivery pathway to CcO. Defects in C1orf31 is associated with mitochondrial respiratory chain disease (MRCD). (24549041)

Notable Publications

| Author | Pubmed ID | Journal | Application |
|-----------------|-----------|---------------|-------------|
| Alok Ghosh | 24549041 | Hum Mol Genet | WB |
| Ming Zhang | 36982777 | Int J Mol Sci | WB,IF |
| Shivatheja Soma | 31851937 | Cell Rep | 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

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

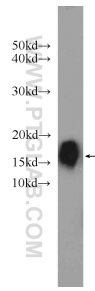
T: 4006900926

E: Proteintech-CN@ptglab.com

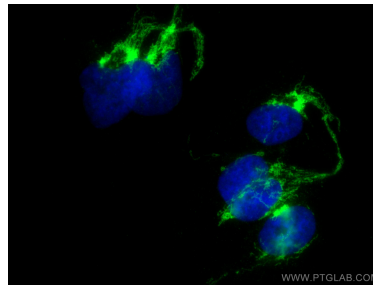
W: ptgcn.com

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

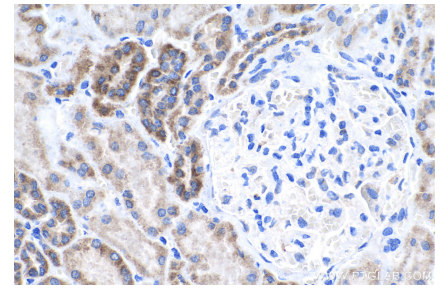
Selected Validation Data



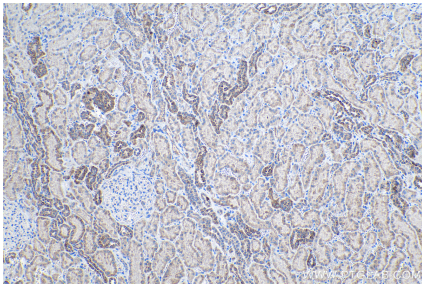
HEK-293 cells were subjected to SDS PAGE followed by western blot with 24209-1-AP (COA6 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



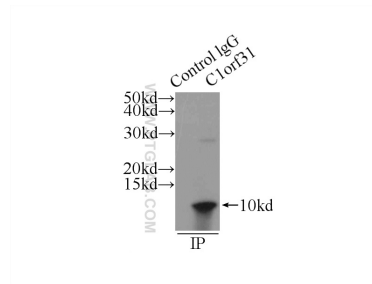
Immunofluorescent analysis of (4% PFA) fixed HEK-293 cells using C1orf31 antibody (24209-1-AP) at dilution of 1:200 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 24209-1-AP (COA6 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 24209-1-AP (COA6 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-COA6 (IP:24209-1-AP, 4ug; Detection:24209-1-AP 1:500) with HEK-293 cells lysate 1760ug.