

For Research Use Only

COA7 Polyclonal antibody

Catalog Number: 25361-1-AP **2 Publications**



Basic Information

Catalog Number: 25361-1-AP	GenBank Accession Number: BC015313	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 700 µg/ml by Nanodrop and 367 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 65260	Recommended Dilutions: WB 1:1000-1:5000 IF 1:20-1:200
Source: Rabbit	Full Name: chromosome 1 open reading frame 163	
Isotype: IgG	Calculated MW: 231 aa, 26 kDa	
Immunogen Catalog Number: AG19734	Observed MW: 25-28 kDa	

Applications

Tested Applications: IF, WB, ELISA	Positive Controls: WB : A431 cells, COLO 320 cells, PC-3 cells IF : PC-3 cells,
Cited Applications: WB	
Species Specificity: human, mouse	
Cited Species: human	

Background Information

Cytochrome c oxidase assembly factor 7 (COA7) is a 231 aa long mitochondrial protein present in animals, containing five Sel1-like tetratricopeptide repeat sequences, which are likely to interact with partner proteins (PMID: 30885959). COA7 is a metazoan-specific assembly factor, the absence or mutation of which in humans accompanies complex IV assembly defects and neurological conditions (PMID: 35210360). COA7 has a molecular weight of ~25 kDa.

Notable Publications

Author	Pubmed ID	Journal	Application
Ryan Houston	34495738	Mol Biol Cell	WB
Anabel Martinez Lyons	27683825	J Med Genet	WB

Storage

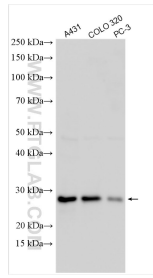
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

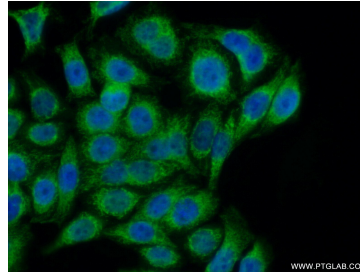
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

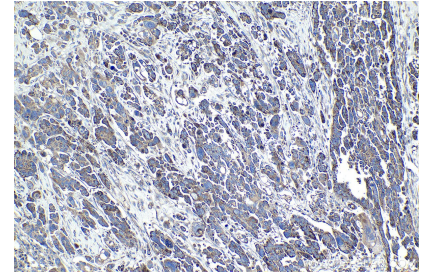
Selected Validation Data



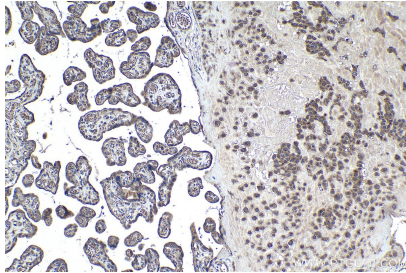
Various lysates were subjected to SDS PAGE followed by western blot with 25361-1-AP (COA7 antibody) at dilution of 1:2500 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (10% Formaldehyde) fixed PC-3 cells using 25361-1-AP (C1orf163 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 25361-1-AP (COA7 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 25361-1-AP (COA7 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).