

For Research Use Only

COA7 Polyclonal antibody

Catalog Number: 25361-1-AP **3 Publications**



Basic Information

Catalog Number: 25361-1-AP	GenBank Accession Number: BC015313	Purification Method: Antigen affinity purification
Size: 700 µg/ml	GeneID (NCBI): 65260	Recommended Dilutions: WB 1:1000-1:5000 IHC 1:500-1:2000 IF 1:20-1:200
Source: Rabbit	UNIPROT ID: Q96BR5	
Isotype: IgG	Full Name: chromosome 1 open reading frame 163	
Immunogen Catalog Number: AG19734	Calculated MW: 231 aa, 26 kDa	
	Observed MW: 25-28 kDa	

Applications

Tested Applications: IF/ICC, IHC, WB, ELISA	Positive Controls: WB : A431 cells, COLO 320 cells, PC-3 cells IHC : human placenta tissue, human colon cancer tissue IF : PC-3 cells,
Cited Applications: WB, IF	
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

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
Christina M Knippler	38632988	iScience	WB,IF

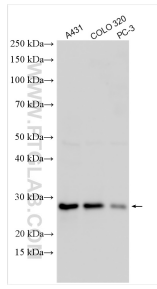
Storage

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

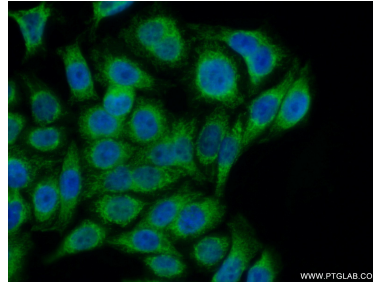
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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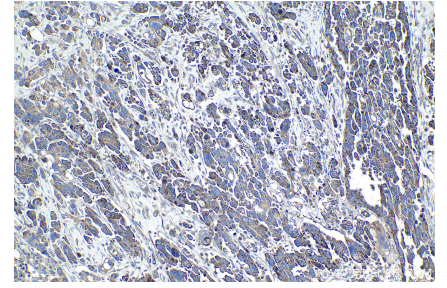
Selected Validation Data



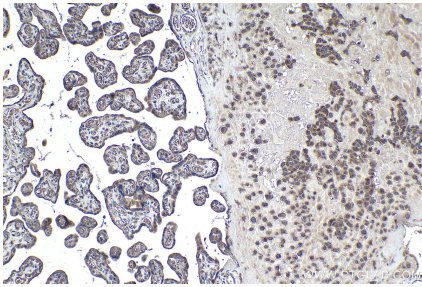
Various lysates were subjected to SDS PAGE followed by western blot with 25361-1-AP (COA7 antibody) at dilution of 1:2500 incubated at room temperature for 1.5 hours.



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).