

For Research Use Only

CCDC56/COA3 Polyclonal antibody

Catalog Number: 20427-1-AP

1 Publications



Basic Information

Catalog Number: 20427-1-AP	GenBank Accession Number: BC002698	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 500 ug/ml by Nanodrop;	GeneID (NCBI): 28958	Recommended Dilutions: IHC 1:50-1:500 IF/ICC 1:200-1:800
Source: Rabbit	UNIPROT ID: Q9Y2R0	
Isotype: IgG	Full Name: coiled-coil domain containing 56	
Immunogen Catalog Number: AG14260	Calculated MW: 106 aa, 12 kDa	
	Observed MW: 12 kDa	

Applications

Tested Applications: IHC, IF/ICC, ELISA	Positive Controls:
Cited Applications: IHC	IHC : human colon cancer tissue, human liver cancer tissue
Species Specificity: human, mouse, rat	IF/ICC : A431 cells, U2OS cells
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

Human COX assembly factor 3 (COA3), also known as CCDC56 (coiled-coil domain-containing protein 56), is a mitochondrial transmembrane protein responsible for cytochrome c oxidase (COX) protein complex assembly. CCDC56/COA3 is located on chromosome 17 (17q.21.31) and encodes an 11.7-kDa protein with predicted transmembrane and coiled-coil domains (PMID: 22610097). CCDC56/COA3 is overexpressed at both mRNA and protein levels in human NSCLC cells, mainly as a result of decreased miR-338-3p level (PMID: 36119836).

Notable Publications

Author	Pubmed ID	Journal	Application
Hongwei Lin	36119836	Am J Cancer Res	IHC

Storage

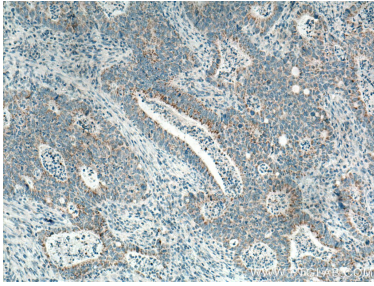
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

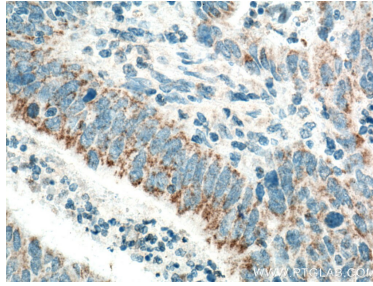
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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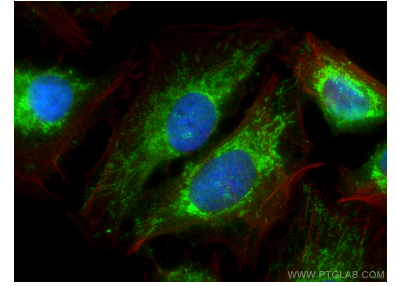
Selected Validation Data



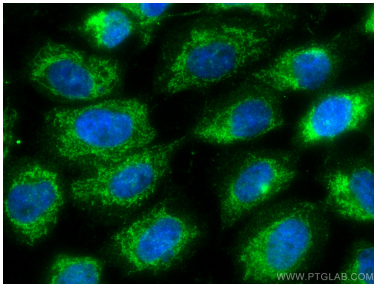
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 20427-1-AP (CCDC56 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 20427-1-AP (CCDC56 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed U2OS cells using CCDC56 antibody (20427-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L), CL594-phalloidin (red).



Immunofluorescent analysis of (4% PFA) fixed A431 cells using CCDC56 antibody (20427-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L).