

CCDC56/COA3 Polyclonal antibody

Catalog Number: 20427-1-AP

1 Publications

Basic Information

Catalog Number:

20427-1-AP

Size:

500 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG14260

GenBank Accession Number:

BC002698

GeneID (NCBI):

28958

UNIPROT ID:

Q9Y2R0

Full Name:

coiled-coil domain containing 56

Calculated MW:

106 aa, 12 kDa

Observed MW:

12 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IHC 1:50-1:500

IF/ICC 1:200-1:800

Applications

Tested Applications:

IHC, IF/ICC, ELISA

Cited Applications:

IHC

Species Specificity:

human, mouse, rat

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:

IHC : human colon cancer tissue, human liver cancer tissue

IF/ICC : A431 cells, U2OS cells

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

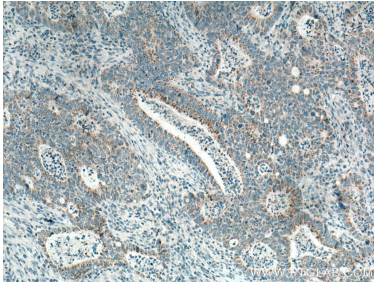
For technical support and original validation data for this product please contact:

T: 4006900926

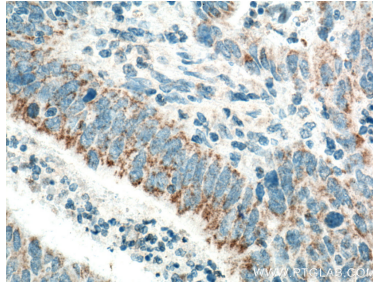
E: Proteintech-CN@ptglab.comW: ptgcn.com

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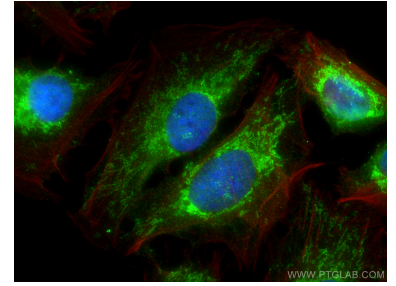
Selected Validation Data



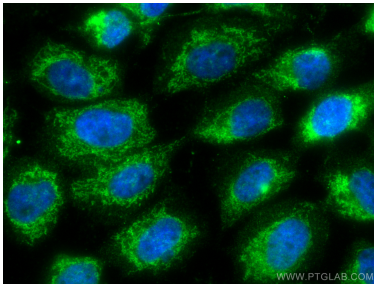
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 20427-1-AP (CCDC56 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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 AffiniPure 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 AffiniPure Goat Anti-Rabbit IgG(H+L).