

For Research Use Only

CoraLite®555-conjugated CDKN2A/P16-INK4A Polyclonal antibody



Catalog Number: CL555-10883

Featured Product

1 Publications

Basic Information

Catalog Number:

CL555-10883

Concentration:

1000 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1328

GenBank Accession Number:

BC021998

GeneID (NCBI):

1029

UNIPROT ID:

P42771

Full Name:

cyclin-dependent kinase inhibitor 2A

Calculated MW:

16 kDa

Observed MW:

16-18 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IF/ICC: 1:50-1:500

FC (Intra): 0.80 ug per 10⁶ cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

557 nm / 570 nm

Applications

Tested Applications:

IF/ICC, FC (Intra)

Cited Applications:

IF

Species Specificity:

human

Positive Controls:

IF/ICC : HeLa cells,

FC (Intra) : HeLa cells,

Background Information

CDKN2A generates several transcript variants which differ in their first exons. At least three alternatively-spliced variants encoding distinct proteins were reported. Two of them named p16-INK4 and p14 are sharing 50% identity. The third one -p14(ARF) is entirely unrelated. 10883-1-AP reacts with p16 specifically. P16 plays an essential role in regulating the cell cycle, and mutations in p16 increase the risk of developing various cancers, including melanoma.

Notable Publications

Author	Pubmed ID	Journal	Application
LeeAnn A Hold	39975248	bioRxiv	IF

Storage

Storage:

Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3

Aliquoting is unnecessary for -20°C storage

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

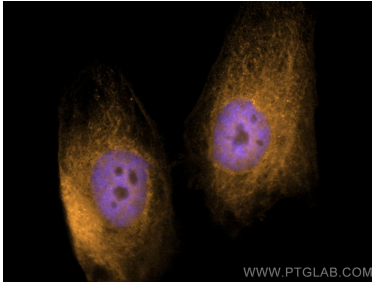
T: 4006900926

E: Proteintech-CN@ptglab.com

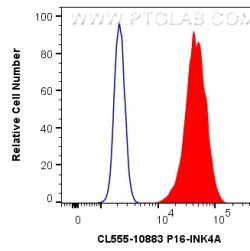
W: ptgcn.com

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Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using CoraLite®555 P16-INK4A antibody (CL555-10883) at dilution of 1:200.



1X10⁶ HeLa cells were intracellularly stained with 0.8 ug CoraLite®555 Anti-Human P16-INK4A (CL555-10883) (red), or 0.8 ug Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).