

For Research Use Only

CoraLite®555-conjugated P16-INK4A Polyclonal antibody



Catalog Number:CL555-10883

Featured Product

Basic Information

Catalog Number:

CL555-10883

Size:

1000 µg/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
(melanoma, p16, inhibits CDK4)

Calculated MW:

16 kDa

Observed MW:

16-18 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IF/ICC 1:50-1:500

Excitation/Emission maxima
wavelengths:

557 nm / 570 nm

Applications

Tested Applications:

IF/ICC, FC (Intra)

Species Specificity:

human

Positive Controls:

IF/ICC : 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.

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, pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

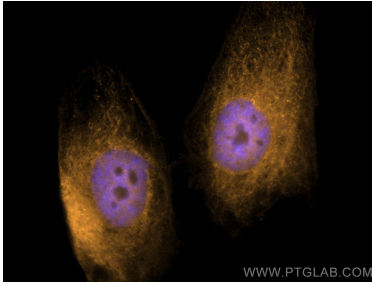
T: 4006900926

E: Proteintech-CN@ptglab.com

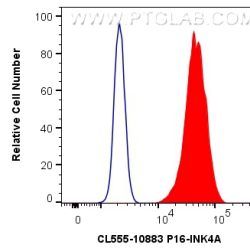
W: ptgcn.com

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Selected Validation Data



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).