

For Research Use Only



CoraLite® Plus 555-conjugated CDKN2A/P16-INK4A Recombinant monoclonal antibody

Catalog Number:CL555-81373-8

Basic Information

Catalog Number: CL555-81373-8	GenBank Accession Number: BC021998	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 1029	CloneNo.: 241438C7
Isotype: IgG	UNIPROT ID: P42771	Recommended Dilutions: IF/ICC: 1:50-1:500
Immunogen Catalog Number: AG1328	Full Name: cyclin-dependent kinase inhibitor 2A	Excitation/Emission maxima wavelengths: 554 nm / 570 nm
	Calculated MW: 16 kDa	
	Observed MW: 16 kDa	

Applications

Tested Applications: IF/ICC	Positive Controls: IF/ICC : HeLa cells,
Species Specificity: human	

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. P16 plays an essential role in regulating the cell cycle, and mutations in p16 increase the risk of developing various cancers, including melanoma. Long-term p16(INK4a) expression pushes cells to enter senescence, an irreversible cell-cycle arrest that precludes the growth of would-be cancer cells but also contributes to cellular aging (PMID: 24136988).

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:

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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using Coralite® Plus 555 CDKN2A/P16-INK4A antibody (CL555-81373-8, Clone: 241438C7) at dilution of 1:200.