

For Research Use Only

CoraLite® Plus 488-conjugated PIN1 Monoclonal antibody



Catalog Number: CL488-68127

Basic Information

Catalog Number:

CL488-68127

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG0767

GenBank Accession Number:

BC002899

GeneID (NCBI):

5300

UNIPROT ID:

Q13526

Full Name:

peptidylprolyl cis/trans isomerase,
NIMA-interacting 1

Calculated MW:

18 kDa

Observed MW:

18 kDa

Purification Method:

Protein G purification

CloneNo.:

1F4G3

Recommended Dilutions:

IF/ICC 1:50-1:500

Excitation/Emission maxima
wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC

Species Specificity:

human, mouse, rat, pig, rabbit

Positive Controls:

IF/ICC : HEK-293 cells,

Background Information

PIN1 (Peptidyl-prolyl cis-trans isomerase NIMA-interacting 1) is essential for mitosis progression in yeast cells and is hypothesized to perform the same role in mammalian cells. It might regulate cellular processes distinct from the cell cycle itself, such as terminal differentiation through a modulation of differentiation-specific gene expression (PMID:20801874). It colocalizes with NEK6 in the nucleus. Pin1 inhibition simultaneously blocks multiple cancer pathways, disrupts the desmoplastic and immunosuppressive TME, and upregulates PD-L1 and ENT1, rendering pancreatic ductal adenocarcinoma (PDAC) eradicable by immunotherapy (PMID: 34388391).

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:

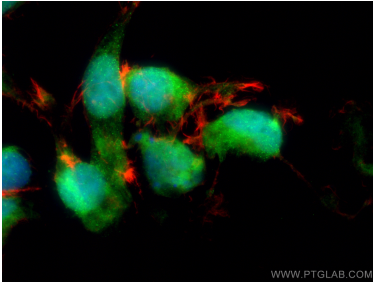
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HEK-293 cells using CoraLite® Plus 488 PIN1 antibody (CL488-68127, Clone: 1F4G3) at dilution of 1:200, CL594-Phalloidin (red).