CoraLite® Plus 488-conjugated PIN1 Polyclonal antibody

Proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Catalog Number:CL488-10495   **Featured Product**

Basic Information

Catalog Number:
CL488-10495

Size:
1000 μg/ml

Source:
Rabbit

Isotype:
IgG

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:
Antigen affinity purification

Recommended Dilutions:
IF 1:50-1:500

Excitation/Emission maxima wavelengths:
493 nm / 522 nm

Applications

Tested Applications:
FC (Intra), IF/ICC

Species Specificity:
human, mouse, rat

Positive Controls:

IF : 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 immunochemotherapy (PMID: 34388391).
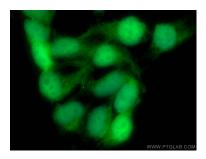
Storage

Storage:
Store at -20℃. Avoid exposure to light. Stable for one year after shipment.
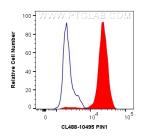**Storage Buffer:**
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

Selected Validation Data

Immunofluorescent analysis of (4% PFA) fixed HEK-293 cells using CoraLite® Plus 488 PIN1 antibody (CL488-10495) at dilution of 1:200.

1X10^6 HeLa cells were intracellularly stained with 0.8 ug CoraLite® Plus 488 Anti-Human PIN1 (CL488-10495) (red), or 0.8 ug Isotype Control. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).