For Research Use Only

PIN1 Monoclonal antibody, PBS Only

Catalog Number: 68127-1-PBS



Basic Information

Catalog Number:

GenBank Accession Number:

Purification Method:

68127-1-PBS

GeneID (NCBI):

Protein G purification

100ug, Concentration: 1 mg/ml by

CloneNo.: 1F4G3

Nanodrop:

UNIPROT ID: Q13526

BC002899

Mouse

Full Name:

Isotype:

peptidylprolyl cis/trans isomerase, NIMA-interacting 1

lgG1 Immunogen Catalog Number:

Calculated MW:

AG0767

18 kDa

Observed MW: 18 kDa

Applications

Tested Applications:

WB, IP, IF, Indirect ELISA

Species Specificity:

Human, mouse, rat, rabbit, pig

Background Information

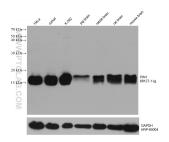
 $PIN1 (Peptidyl-prolyl\ cis-trans\ isomerase\ NIMA-interacting\ 1)\ is\ essential\ for\ mitosis\ progression\ in\ yeast\ cells\ and$ is hypothesized to perform the same role in mammalian cells. It might regulate cellular processes distinct from the cell cycle itself, such as terminal differentiation 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

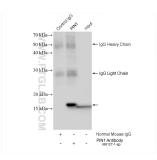
Storage: Store at -80°C.

Storage Buffer: PBS Only

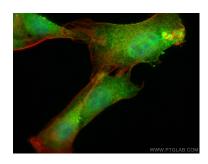
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68127-1-1g (PIN1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control. This data was developed using the same antibody clone with 68127-1-PBS in a different storage buffer formulation.



IP result of anti-PIN1 (IP:68127-1-Ig, 4ug; Detection:68127-1-Ig 1:2000) with HepG2 cells lysate 1920 ug. This data was developed using the same antibody clone with 68127-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed NIH/3T3 cells using PIN1 antibody (68127-1-1g, Clone: 1F4G3) at dilution of 1:400 and CoraLite® 488-Conjugated Affini Pure Goat Anti-Mouse IgG(H+L), CL594-Phalloidin (red). This data was developed using the same antibody clone with 68127-1-PBS in a different storage buffer formulation.