For Research Use Only

Cyclin D1 Monoclonal antibody, PBS Only

Catalog Number:60186-1-PBS Featured Product

proteintech®
Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
60186-1-PBS

Source:
Mouse

Isotype:
IgG2b

Immunogen Catalog Number:
AG0689

GenBank Accession Number:
BC000076

GeneID (NCBI):
595

UNIPROT ID:
P24385

Full Name:
cyclin D1

Calculated MW:
295 aa, 34 kDa

Observed MW:
34 kDa

Purification Method:
Protein A purification

CloneNo.:
2G3G5

Applications

Tested Applications:
WB, FC (Intra), ELISA

Species Specificity:
human, mouse, rat

Background Information

CCND1 (cyclin D1), also known as PRAD1 or BCL1, belongs to the highly conserved cyclin family, whose members are characterized by a dramatic periodicity in protein abundance throughout the cell cycle. CCND1 forms a complex with and functions as a regulatory subunit of CDK4 or CDK6, whose activity is required for cell cycle G1/S transition. The CCND1 gene, located on 11q13 has been reported to be overexpressed in mantle cell lymphoma (MCL) due to the chromosomal translocation. CCND1 has been shown to interact with tumor suppressor protein Rb and the expression of this gene is regulated positively by Rb. Over-expression of CCND1 is known to correlate with the early onset of cancer and risk of tumor progression and metastasis.

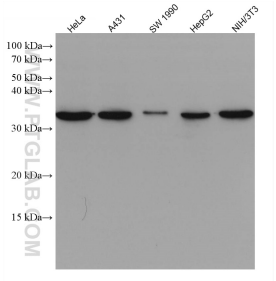
Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C
Storage Buffer:
PBS only, pH7.3

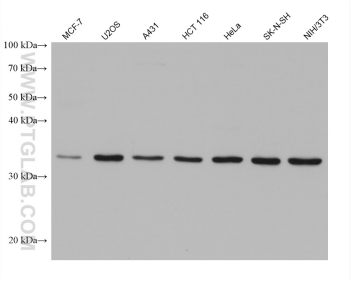
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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

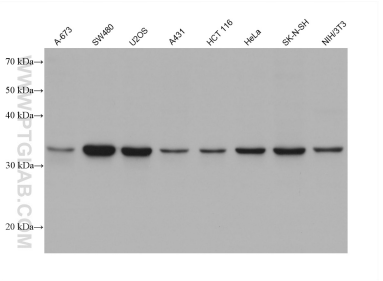
Selected Validation Data



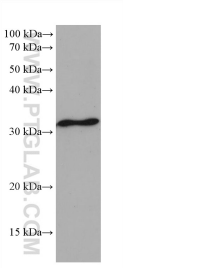
Various lysates were subjected to SDS PAGE followed by western blot with 60186-1-Ig (Cyclin D1 antibody) at dilution of 1:40000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 60186-1-PBS in a different storage buffer formulation.



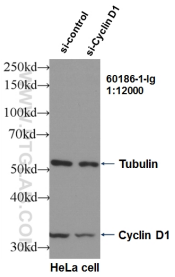
MCF-7 cells were subjected to SDS PAGE followed by western blot with 60186-1-Ig (Cyclin D1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 60186-1-PBS in a different storage buffer formulation.



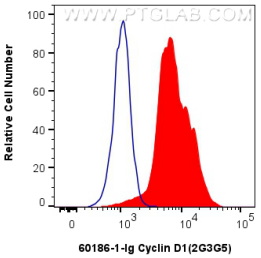
Various lysates were subjected to SDS PAGE followed by western blot with 60186-1-Ig (Cyclin D1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 60186-1-PBS in a different storage buffer formulation.



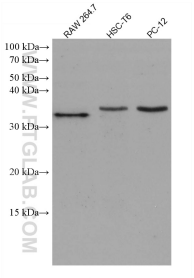
RAW 264.7 cells were subjected to SDS PAGE followed by western blot with 60186-1-Ig (Cyclin D1 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 60186-1-PBS in a different storage buffer formulation.



WB result of Cyclin D1 antibody (60186-1-Ig, 1:12,000) with si-Control and si-Cyclin D1 transfected HeLa cells. This data was developed using the same antibody clone with 60186-1-PBS in a different storage buffer formulation.



1x10^6 SH-SY5Y cells were intracellularly stained with 0.25 ug Cyclin D1 Monoclonal antibody (60186-1-Ig, Clone:2G3G5) and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1)(red), or 0.25 ug Mouse IgG2b isotype control Mouse McAb (66360-3-Ig, Clone: 11B8C4) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011). This data was developed using the same antibody clone with 60186-1-PBS in a different storage



Various lysates were subjected to SDS PAGE followed by western blot with 60186-1-Ig (Cyclin D1 antibody) at dilution of 1:40000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 60186-1-PBS in a different storage buffer formulation.