

Anti-Cyclin D3 Antibody [SD20-43]

ET1612-4



Product Type:	Recombinant Rabbit monoclonal IgG, primary antibodies
Species reactivity:	Human, Mouse, Rat
Applications:	WB
Molecular Wt:	Predicted band size: 33 kDa
Clone number:	SD20-43

Description: The proliferation of eukaryotic cells is controlled at specific points in the cell cycle, particularly at the G1 to S and the G2 to M transitions. It is well established that the Cdc2 p34-cyclin B protein kinase plays a critical role in the G2 to M transition while cyclin A associates with Cdk2 p33 and functions in S phase. Considerable effort directed towards the identification of G1 cyclins has led to the isolation of cyclin D, cyclin C and cyclin. Of these, cyclin D corresponds to a putative human oncogene, designated PRAD1, which maps at the site of the Bcl-1 rearrangement in certain lymphomas and leukemias. Two additional human type D cyclins, as well as their mouse homologs, have been identified. Evidence has established that members of the cyclin D family function to regulate phosphorylation of the retinoblastoma gene product, thereby activating E2F transcription factors.

Immunogen: Recombinant protein within Human Cyclin D3 aa 162-292 / 292.

Positive control: HeLa cell lysate, Jurkat cell lysate, K-562 cell lysate, A20 cell lysate, C2C12 cell lysate, PC-12 cell lysate, C6 cell lysate.

Subcellular location: Nucleus, Cytoplasm, Membrane.

Database links: SwissProt: P30281 Human | P30282 Mouse | P48961 Rat

Recommended Dilutions:
WB 1:1,000

Storage Buffer: 1*TBS (pH7.4), 0.05% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.

Storage Instruction: Store at +4℃ after thawing. Aliquot store at -20℃ or -80℃. Avoid repeated freeze / thaw cycles.

Purity: Protein A affinity purified.

Hangzhou Huaan Biotechnology Co., Ltd.

Orders:0086-571-88062880

Technical:0086-571-89986345

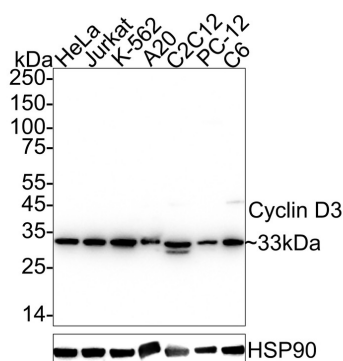
Service mail:support@huabio.cn

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Applications:WB=Western blot IHC-P=Immunohistochemistry (paraffin) IF-Cell=Immunofluorescence (Cell) IF-Tissue=Immunofluorescence (Tissue) FC=Flow cytometry IP=Immunoprecipitation

Images

Fig1: Western blot analysis of Cyclin D3 on different lysates with Rabbit anti-Cyclin D3 antibody (ET1612-4) at 1/1,000 dilution.



Lane 1: HeLa cell lysate

Lane 2: Jurkat cell lysate

Lane 3: K-562 cell lysate

Lane 4: A20 cell lysate

Lane 5: C2C12 cell lysate

Lane 6: PC-12 cell lysate

Lane 7: C6 cell lysate

Lysates/proteins at 20 µg/Lane.

Predicted band size: 33 kDa

Observed band size: 33 kDa

Exposure time: 10 seconds; ECL: K1801;

4-20% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody (ET1612-4) at 1/1,000 dilution was used in 5% NFDM/TBST at 4°C overnight. Goat Anti-Rabbit IgG - HRP Secondary Antibody (HA1001) at 1/50,000 dilution was used for 1 hour at room temperature.

Note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

Background References

1. Misiewicz-Krzeminska I et al. Post-transcriptional Modifications Contribute to the Upregulation of Cyclin D2 in Multiple Myeloma. Clin Cancer Res 22:207-17 (2016).
2. Brodowska K et al. Effects of metformin on retinoblastoma growth in vitro and in vivo. Int J Oncol 45:2311-24 (2014).

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