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anti-Cyclin D3 antibody (AA 136-292)



Images



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Overview				
Quantity:	100 μg			
Target:	Cyclin D3 (CCND3)			
Binding Specificity:	AA 136-292			
Reactivity:	Human, Rat			
Host:	Rabbit			
Clonality:	Polyclonal			
Conjugate:	This Cyclin D3 antibody is un-conjugated			
Application:	Western Blotting (WB), Flow Cytometry (FACS)			
Product Details				
Immunogen:	Human partial recombinant protein (AA 136-292) was used as the immunogen for this Cycl D3 antibody.			
Isotype:	IgG			
Purification:	Antigen affinity			
Target Details				
Target:	Cyclin D3 (CCND3)			
Alternative Name:	Cyclin D3 (CCND3 Products)			
Background:	Cyclin D3 is a protein that in humans is encoded by the CCND3 gene. It is mapped to 6p21.1.			
	The protein encoded by this gene belongs to a family of proteins whose members are			

characterized by a dramatic periodicity in protein abundance through the cell cycle. Cyclins

function as regulators of CDK kinases. Different cyclins exhibit distinct expression and degradation patterns which contribute to the temporal coordination of each mitotic event. Cyclin D3 forms a complex with and functions as a regulatory subunit of CDK4 or CDK6, whose activity is required for cell cycle G1/S transition. In addition, overexpression of CCND3 upregulated the translational activity in HeLa cells in a dose-dependent manner.

Gene ID:

896

Pathways:

Cell Division Cycle, Mitotic G1-G1/S Phases, Glycosaminoglycan Metabolic Process

Application Details

Application Notes:

The stated application concentrations are suggested starting amounts. Titration of the Cyclin D3 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 0.5-1 μ g/mL,FACS: 1-3 μ g/10^6 cells

Restrictions:

For Research Use only

Handling

Buffer:

0.5 mg/mL if reconstituted with 0.2 mL sterile DI water

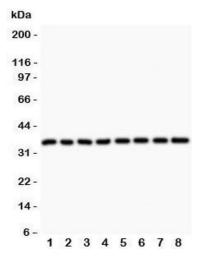
Storage:

-20 °C

Storage Comment:

After reconstitution, the Cyclin D3 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.

Images



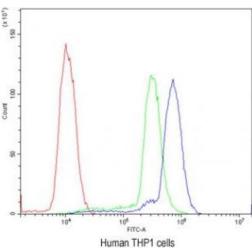
Western Blotting

Image 1. Western blot testing of Cyclin D3 antibody and Lane 1: rat testis; 2: (r) thymus; 3: (r) lung; 4: (r) ovary; 5: human Jurkat; 6: (h) A549; 7: (h) MCF-7; 8: (h) HeLa lysate



Western Blotting

Image 2. Western blot testing of Cyclin D3 antibody and recombinant human protein (0.5ng)



Flow Cytometry

Image 3. Flow cytometry testing of human THP1 cells with Cyclin D3 antibody at 1ug/10⁶ cells (blocked with goat sera)

Please check the product details page for more images. Overall 5 images are available for ABIN3030597.