

For Research Use Only

Cyclin D3 Polyclonal antibody

Catalog Number: 10845-1-AP **6 Publications**



Basic Information

Catalog Number: 10845-1-AP	GenBank Accession Number: BC011616	Purification Method: Antigen affinity purification
Size: 130 µg/ml	GeneID (NCBI): 896	
Source: Rabbit	ENSEMBL Gene ID: ENSG00000112576	
Isotype: IgG	UNIPROT ID: P30281	
Immunogen Catalog Number: AG1292	Full Name: cyclin D3	
	Calculated MW: 33 kDa	

Applications

Tested Applications:
IF/ICC, IHC, WB, ELISA

Cited Applications:
WB, IHC

Species Specificity:
human

Cited Species:
human

Background Information

Cyclin D3 belongs to the highly conserved cyclin family, 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. This cyclin forms a complex with and functions as a regulatory subunit of CDK4 or CDK6, whose activity is required for cell cycle G1/S transition. This protein has been shown to interact with and be involved in the phosphorylation of tumor suppressor protein Rb. The CDK4 activity associated with this cyclin was reported to be necessary for cell cycle progression through G2 phase into mitosis after UV radiation.

Notable Publications

Author	Pubmed ID	Journal	Application
Zhang Ping P	16978399	BMC Cancer	WB, IHC
Wenkai Xiao	25355542	Int J Oncol	
Mingmin Tang	33091855	Phytomedicine	WB

Storage

Storage:
Store at -20°C. Stable for one year after shipment.

Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

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Selected Validation Data