Cyclin D1 Antibody



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For Research Use Only, Not for Use in Diagnostic Procedures

Н	Endogenous	MW (kDa): 36	Source: Rabbit	UniProt ID: #P24385	Entrez-Gene Id: 595
Product Usage Application Information			Dilution		
We	stern Blotting			1:1000	
Imr	nunoprecipitation			1:50	
			5), 150 mM NaCl, 10	00 μg/ml BSA and 50% (glycerol. Store at –
,	Cyclin D1 Antibody detects endogenous levels of cyclin D1. It does not cross-react with other family members.				
resid	Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Leu259 of human cyclin D1 protein. Antibodies are purified by protein A and peptide affinity chromatography.				
abur Cip/l extra level activ relea prote	Activity of the cyclin-dependent kinases CDK4 and CDK6 is regulated by T-loop phosphorylation, by the abundance of their cyclin partners (the D-type cyclins), and by association with CDK inhibitors of the Cip/Kip or INK family of proteins (1). The inactive ternary complex of cyclin D/CDK4 and p27 Kip1 requires extracellular mitogenic stimuli for the release and degradation of p27 concomitant with a rise in cyclin D levels to affect progression through the restriction point and Rb-dependent entry into S-phase (2). The active complex of cyclin D/CDK4 targets the retinoblastoma protein for phosphorylation, allowing the release of E2F transcription factors that activate G1/S-phase gene expression (3). Levels of cyclin D protein drop upon withdrawal of growth factors through downregulation of protein expression and phosphorylation-dependent degradation (4).				
	App We Imn Supp 20°C Vity Cycl men resic affin Activ abur Cip/l extra level activ relea	Application Western Blotting Immunoprecipitation Supplied in 10 mM sodi 20°C. Do not aliquot the Cyclin D1 Antibody determembers. Polyclonal antibodies are ideas surrounding Leaffinity chromatography Activity of the cyclin-deabundance of their cycl Cip/Kip or INK family of extracellular mitogenic levels to affect progress active complex of cyclir release of E2F transcrip protein drop upon withden	Application Western Blotting Immunoprecipitation Supplied in 10 mM sodium HEPES (pH 7.5 20°C. Do not aliquot the antibody. Cyclin D1 Antibody detects endogenous lemembers. Polyclonal antibodies are produced by immoresidues surrounding Leu259 of human cyclin affinity chromatography. Activity of the cyclin-dependent kinases CE abundance of their cyclin partners (the D-tyclip/Kip or INK family of proteins (1). The infextracellular mitogenic stimuli for the release levels to affect progression through the reseactive complex of cyclin D/CDK4 targets the release of E2F transcription factors that according trop upon withdrawal of growth factors.	Application Western Blotting Immunoprecipitation Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 10 20°C. Do not aliquot the antibody. Cyclin D1 Antibody detects endogenous levels of cyclin D1. It members. Polyclonal antibodies are produced by immunizing animals wit residues surrounding Leu259 of human cyclin D1 protein. Anti affinity chromatography. Activity of the cyclin-dependent kinases CDK4 and CDK6 is reabundance of their cyclin partners (the D-type cyclins), and by Cip/Kip or INK family of proteins (1). The inactive ternary compextracellular mitogenic stimuli for the release and degradation levels to affect progression through the restriction point and RI active complex of cyclin D/CDK4 targets the retinoblastoma prelease of E2F transcription factors that activate G1/S-phase of protein drop upon withdrawal of growth factors through downress.	Application Western Blotting I:1000 Immunoprecipitation Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA and 50% g 20°C. Do not aliquot the antibody. Vity Cyclin D1 Antibody detects endogenous levels of cyclin D1. It does not cross-react wit members. Polyclonal antibodies are produced by immunizing animals with a synthetic peptide co residues surrounding Leu259 of human cyclin D1 protein. Antibodies are purified by praffinity chromatography. Activity of the cyclin-dependent kinases CDK4 and CDK6 is regulated by T-loop phosp abundance of their cyclin partners (the D-type cyclins), and by association with CDK ir Cip/kip or INK family of proteins (1). The inactive ternary complex of cyclin D/CDK4 are extracellular mitogenic stimuli for the release and degradation of p27 concomitant with levels to affect progression through the restriction point and Rb-dependent entry into S active complex of cyclin D/CDK4 targets the retinoblastoma protein for phosphorylation release of E2F transcription factors that activate G1/S-phase gene expression (3). Levelor protein drop upon withdrawal of growth factors through downregulation of protein expression expression discovered the cyclin and cyclin protein expression of protei

2. Sherr, C.J. (1996) Science 274, 1672-7.

3. Lukas, J. et al. (1996) Mol Cell Biol 16, 6917-25.

4. Diehl, J.A. et al. (1997) Genes Dev 11, 957-72.

Species reactivity is determined by testing in at least one approved application (e.g., western blot). **Species Reactivity**

IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, Western Blot Buffer

0.1% Tween® 20 at 4°C with gentle shaking, overnight.

Applications Key WB: Western Blotting IP: Immunoprecipitation

H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster **Cross-Reactivity Key**

X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse

GP: Guinea Pig Rab: rabbit All: all species expected

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