

产品名称: Cyclin D2 (phospho Thr280) Rabbit Polyclonal Antibody
产品货号: APRab04522



产品概述 (Summary)

产品名称 (Production Name)	Cyclin D2 (phospho Thr280) Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,ELISA
种属反应性 (Reactivity)	Human,Mouse,Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Phosphorylated
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	CCND2
别名 (Alternative Names)	CCND2; G1/S-specific cyclin-D2
基因 ID (Gene ID)	894.0
蛋白 ID (SwissProt ID)	P30279.The antiserum was produced against synthesized peptide derived from human Cyclin D2 around the phosphorylation site of Thr280. AA range:240-289

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:5000-1:20000
蛋白分子量 (Molecular Weight)	40kDa

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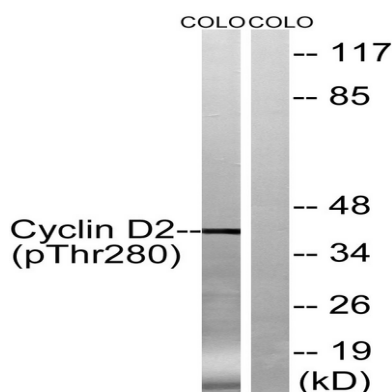
研究背景 (Background)

The protein encoded by this gene 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 CDK4 or CDK6 and functions as a regulatory subunit of the complex, 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. Knockout studies of the homologous gene in mouse suggest the essential roles of this gene in ovarian granulosa and germ cell proliferation. High level expression of this gene was observed in ovarian and testicular tumors. Mutations in this gene are associated with megaloencephaly. Essential for the control of the cell cycle at the G1/S (start) transition. Similarity: Belongs to the cyclin family. Similarity: Belongs to the cyclin family. Cyclin D subfamily. Subunit: Interacts with the CDK4 and CDK6 protein kinases to form a serine/threonine kinase holoenzyme complex. The cyclin subunit imparts substrate specificity to the complex.

研究领域 (Research Area)

Cell_Cycle_G1S; Cell_Cycle_G2M_DNA; p53; WNT; WNT-T CELL; Focal adhesion; Jak_STAT;

图片 (Image Data)



Western blot analysis of lysates from COLO205 cells treated with EGF 200ng/ml 30', using Cyclin D2 (Phospho-Thr280) Antibody. The lane on the right is blocked with the phospho peptide.

注意事项 (Note)

For research use only.