

产品名称: P16 (Mouse and Human) Mouse Monoclonal Antibody
产品货号: AMM80587



产品概述 (Summary)

产品名称 (Production Name)	P16 (Mouse and Human) Mouse Monoclonal Antibody
描述 (Description)	Mouse monoclonal Antibody
宿主 (Host)	Mouse
应用 (Application)	IHC, ELISA
种属反应性 (Reactivity)	Human, Mouse, Rat, Rabbit

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	Mouse IgG2b
克隆 (Clonality)	Monoclonal
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)	Purified antibody in PBS with 0.05% sodium azide.
纯化方式 (Purification)	Affinity Purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	P16
别名 (Alternative Names)	P16
基因 ID (Gene ID)	1029.0
蛋白 ID (SwissProt ID)	P42771. Purified recombinant fragment of P16 expressed in E. Coli.

产品应用 (Application)

稀释比 (Dilution Ratio)	IHC 1:200-1:1000, ELISA 1:5000-1:20000
蛋白分子量 (Molecular Weight)	16.5kDa

研究背景 (Background)

The progression of cells through the cell cycle is regulated by a family of protein kinases known as cyclin-dependent

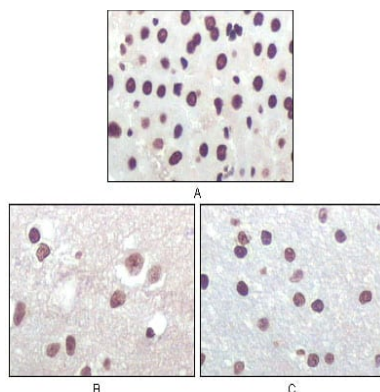
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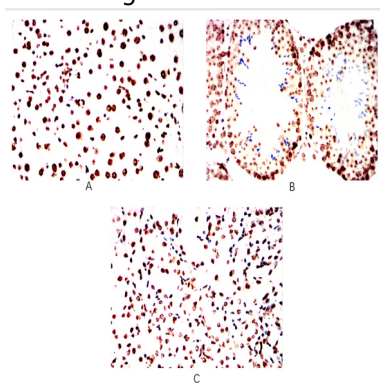
kinases (Cdks). The sequential activation of individual members of this family and their consequent phosphorylation of critical substrates promotes orderly progression through the cell cycle. The cyclins function as differentially expressed positive regulators of Cdks. Negative regulators of the cycle include the p53-inducible 21 kDa WAF1/Cip1 protein designated p21, Kip1 p27 and p16. The complexes formed by Cdk4 and the D-type cyclins have been strongly implicated in the control of cell proliferation during the G1 phase. It has recently been shown that p16 binds to Cdk4 and inhibits the catalytic activity of the Cdk4/cyclin D complex. Moreover, the gene encoding p16 exhibits a high frequency of homozygous deletions and point mutations in established human tumor cell lines.

研究领域 (Research Area)

图片 (Image Data)

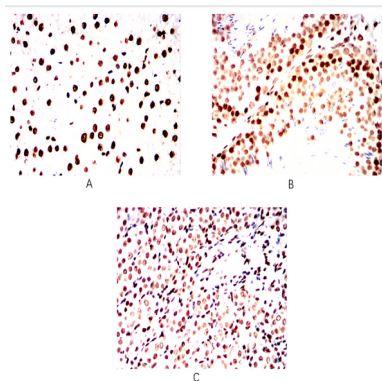


Immunohistochemical analysis of paraffin-embedded rat liver tissue (A), human brain tissue (B) and brain tumor (C), showing nuclear localization using P16 mouse mAb with DAB staining.

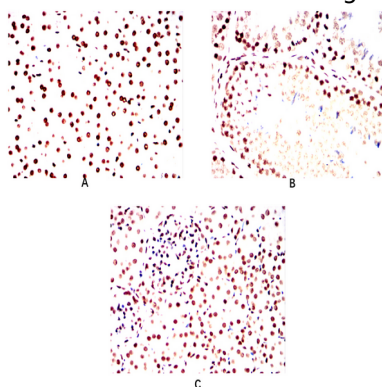


Immunohistochemical analysis of paraffin-embedded Mouse liver(A)Mouse testis(B)Mouse kidney(C) using P16 (Mouse and Human) mouse mAb with DAB staining.

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Immunohistochemical analysis of paraffin-embedded Rat liver(A)Rat testis(B)Rat kidney(C) using P16 (Mouse and Human) mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded Rabbit liver(A)Rabbit testis(B) using P16 (Mouse and Human) mouse mAb with DAB staining.

注意事项 (Note)

For research use only .