

产品名称: p14 Rabbit Polyclonal Antibody
产品货号: APRab15571



产品概述 (Summary)

产品名称 (Production Name)	p14 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,Rat,Mouse

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
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)	CDKN2A
别名 (Alternative Names)	CDKN2A; CDKN2; MLM; Cyclin-dependent kinase inhibitor 2A; isoform 4; p14ARF; p19ARF
基因 ID (Gene ID)	1029.0
蛋白 ID (SwissProt ID)	Q8N726.The antiserum was produced against synthesized peptide derived from human p14 ARF. AA range:71-120

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:200-1:1000,ELISA 1:10000-1:20000
蛋白分子量 (Molecular Weight)	18kDa

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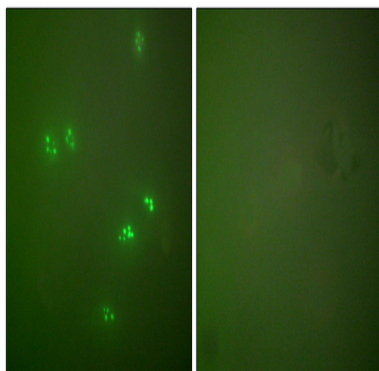
研究背景 (Background)

CDKN2A generates several transcript variants which differ in their first exons. At least three alternatively spliced variants encoding distinct proteins have been reported, two of which encode structurally related isoforms known to function as inhibitors of CDK4 kinase. The remaining transcript includes an alternate first exon located 20 Kb upstream of the remainder of the gene; this transcript contains an alternate open reading frame (ARF) that specifies a protein which is structurally unrelated to the products of the other variants. This ARF product functions as a stabilizer of the tumor suppressor protein p53 as it can interact with, and sequester, the E3 ubiquitin-protein ligase MDM2, a protein responsible for the degradation of p53. In spite of the structural and functional differences, the CDK inhibitor isoforms and the ARF product encoded by CDKN2A, through the regulatory roles of CDK4 and p53 in cell cycle G1 progression, share a common functionality in cell cycle G1 control. CDKN2A is frequently mutated or deleted in a wide variety of tumors, and is known to be an important tumor suppressor gene.

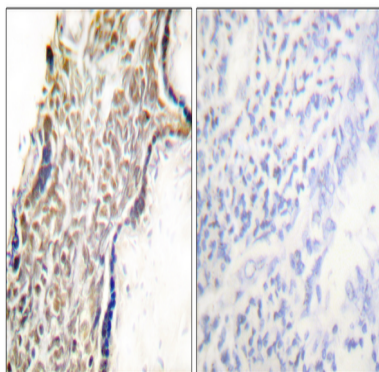
研究领域 (Research Area)

Stem cell pathway; Cell Cycle

图片 (Image Data)



Immunofluorescence analysis of HeLa cells, using p14 ARF Antibody. The picture on the right is blocked with the synthesized peptide.

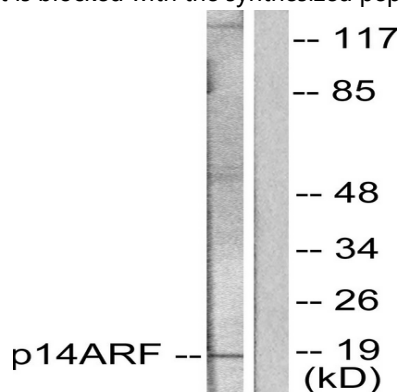


Immunohistochemistry analysis of paraffin-embedded human placenta tissue, using p14 ARF Antibody. The picture on the

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right is blocked with the synthesized peptide.



Western blot analysis of lysates from HeLa cells, using p14 ARF Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using p14 Polyclonal Antibody diluted at 1: 500

注意事项 (Note)

For research use only .