

产品名称: CDKN2A/p14ARF Rabbit Monoclonal Antibody
产品货号: AMRe21576



产品概述 (Summary)

产品名称 (Production Name)	CDKN2A/p14ARF Rabbit Monoclonal Antibody
描述 (Description)	Recombinant rabbit monoclonal antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,ICC/IF,ELISA,IP
种属反应性 (Reactivity)	Human

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG,Kappa
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)	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%protective protein
纯化方式 (Purification)	Protein A

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.

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:1000-1:5000,ICC/IF 1:200-1:1000,ELISA 1:5000-1:20000,IP 1:50-1:200
蛋白分子量 (Molecular Weight)	Calculated MW:14kD;Observed MW:16kD

研究背景 (Background)

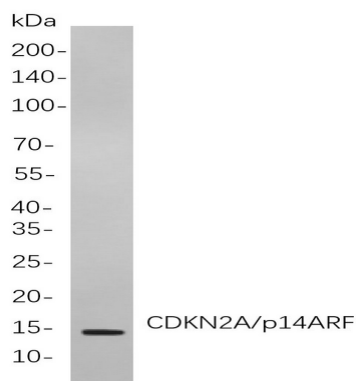
Cell localization:Nuclear.CDKN2A generates several transcript variants which differ in their first exons. At least three

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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)

图片 (Image Data)



Western blot analysis of lysates from HeLa

cells, using CDKN2A/p14ARF Rabbit mAb. The HRP-conjugated Goat anti-Rabbit IgG antibody was used to detect the antibody.

注意事项 (Note)

For research use only .