

CDKN2A/p14ARF (17S5) Rabbit Monoclonal Antibody

Catalog# HZ-YMA00237

Product information

产品货号	HZ-YMA00237
别名	CDKN2A;CDKN2;MLM;Cyclin-dependent kinase inhibitor 2A; isoform 4;p14ARF;p19ARF
产品名称	CDKN2A/p14ARF (17S5) Rabbit Monoclonal Antibody
类别	抗体产品
基因名称	CDKN2A
推荐应用	WB,IF-P,IF-F,IF-ICC,IP,ELISA
反应种属	Human
存储缓冲液	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Human Gene ID	1029
Human Swissprot No.	Q8N726
稀释度	WB 1:1000-5000,IF-P/IF-F/IF-ICC 1:200-1000,ELISA 1:5000-20000,IP 1:50-200
参考分子量	16kDa
预测分子量	14kDa
运输及保存条件	Biological ice bag transportation. Store at -20°C for at least 12 months(Do not lower than -25°C). Avoid freeze/thaw cycles
宿主	Rabbit
同种型	Monoclonal, rabbit, IgG, Kappa
背景介绍	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.
纯化	Protein A
Clonality	Monoclonal