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CDKN1A/p21CIP1 Rabbit pAb

货号: **AYP11000**

产品信息

反应	Human,Mouse,Rat
宿主	Rabbit
克隆性	Polyclonal
预测反应	WB: rat cells , P19 , P21 , Homo sapiens , Mus musculus , Sanghuangporus vaninii , Rattus norvegicus IHC: Homo sapiens,Mus musculus , Rattus norvegicus IF: Homo sapiens,Mus musculus , Rattus norvegicus ChIP: Rattus norvegicus
应用	WB IF/ICC
推荐浓度	WB: 1:500 - 1:1000 IF/ICC: 1:50 - 1:200
理论分子量	21kDa
实测分子量	18KDa
形式	Liquid
保存条件	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.01% thiomersal,50% glycerol,pH7.3.
偶联物	Unconjugated
阳性对照	MCF7,Mouse large intestine,Mouse testis,Rat lung
细胞定位	Cytoplasm,Nucleus
纯化	Affinity purification

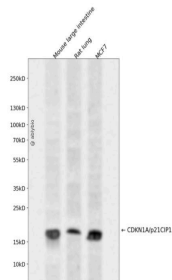
抗原信息

抗原信息	A synthetic peptide corresponding to a sequence within amino acids 100-164 of human CDKN1A/p21CIP1 (NP_000380.1).
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靶点信息

研究背景	This gene encodes a potent cyclin-dependent kinase inhibitor. The encoded protein binds to and inhibits the activity of cyclin-cyclin-dependent kinase2 or -cyclin-dependent kinase4 complexes, and thus functions as a regulator of cell cycle progression at G1. The expression of this gene is tightly controlled by the tumor suppressor protein p53, through which this protein mediates the p53-dependent cell cycle G1 phase arrest in response to a variety of stress stimuli. This protein can interact with proliferating cell nuclear antigen, a DNA polymerase accessory factor, and plays a regulatory role in S phase DNA replication and DNA damage repair. This protein was reported to be specifically cleaved by CASP3-like caspases, which thus leads to a dramatic activation of cyclin-dependent kinase2, and may be instrumental in the execution of apoptosis following caspase activation. Mice that lack this gene have the ability to regenerate damaged or missing tissue. Multiple alternatively spliced variants have been found for this gene.
基因ID	1026
基因名	CDKN1A
Swiss	P38936 (https://www.uniprot.org/uniprotkb/P38936/entry)
别名	CAP20,CDKN1,CIP1,MDA-6,P21,SDI1,WAF1,p21CIP1,CDKN1A,CDKN1A/p21CIP1 Rabbit pAb,CDK-interacting protein 1,Melanoma differentiation-associated protein 6,MDA6,PIC1

产品验证



Western blot analysis of CDKN1A/p21CIP1 expressed in Mouse large intestine,Rat lung,MCF7 using CDKN1A/p21CIP1 Rabbit pAb at 1:1000. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:5000. Lysates/proteins: 30ug per lane. Blocking buffer: 5% non-fat dry milk in TBST. Detection: ECL Enhanced Kit. Exposure time: 120s.

实验步骤

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