

p21Cip1 (Phospho Thr57) Rabbit pAb

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| Catalog No : | YP1856 |
| Reactivity : | Human;Mouse |
| Applications : | IHC;WB |
| Target : | p21 |
| Fields : | >>Endocrine resistance;>>Platinum drug resistance;>>ErbB signaling pathway;>>HIF-1 signaling pathway;>>FoxO signaling pathway;>>Cell cycle;>>p53 signaling pathway;>>PI3K-Akt signaling pathway;>>Cellular senescence;>>JAK-STAT signaling pathway;>>Oxytocin signaling pathway;>>Parathyroid hormone synthesis, secretion and action;>>Cushing syndrome;>>Hepatitis C;>>Hepatitis B;>>Human cytomegalovirus infection;>>Human papillomavirus infection;>>Human T-cell leukemia virus 1 infection;>>Kaposi sarcoma-associated herpesvirus infection;>>Epstein-Barr virus infection;>>Pathways in cancer;>>Transcriptional misregulation in cancer;>>Viral carcinogenesis;>>Proteoglycans in cancer;>>MicroRNAs in cancer;>>Colorectal cancer;>>Renal cell carcinoma;>>Pancreatic cancer;>>Endometrial cancer;>>Glioma;>>Prostate cancer;>>Thyroid cancer;>>Basal cell carcinoma;>>Melanoma;>>Bladder cancer;>>Chronic myeloid leukemia;>>Small cell lung cancer;>>Non-small cell lung cancer;>>Breast cancer;>>Hepatocellular carcinoma; |
| Gene Name : | CDKN1A CAP20 CDKN1 CIP1 MDA6 PIC1 SDI1 WAF1 |
| Protein Name : | Cyclin-dependent kinase inhibitor 1 (CDK-interacting protein 1) (Melanoma differentiation-associated protein 6) (MDA-6) (p21) |
| Human Gene Id : | 1026 |
| Human Swiss Prot No : | P38936 |
| Mouse Gene Id : | 12575 |
| Mouse Swiss Prot No : | P39689 |
| Immunogen : | Synthesized peptide derived from human p21Cip1 (Phospho Thr57) |
| Specificity : | This antibody detects endogenous levels of p21Cip1 (Phospho Thr57) Rabbit |

pAb at Human, Mouse

Formulation : Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.

Source : Rabbit, polyclonal

Dilution : WB 1:500-2000 IHC 1:50-200

Purification : The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.

Concentration : 1 mg/ml

Storage Stability : -15°C to -25°C/1 year (Do not lower than -25°C)

Observed Band : 21kD

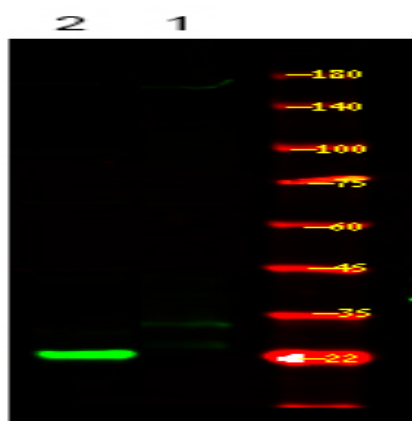
Background : cyclin dependent kinase inhibitor 1A (CDKN1A) Homo sapiens This gene encodes a potent cyclin-dependent kinase inhibitor. The encoded protein binds to and inhibits the activity of cyclin-cyclin-dependent kinase2 or -cyclin-dependent kinase4 complexes, and thus functions as a regulator of 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 lac

Function : function: May be the important intermediate by which p53 mediates its role as an inhibitor of cellular proliferation in response to DNA damage. Binds to and inhibits cyclin-dependent kinase activity, preventing phosphorylation of critical cyclin-dependent kinase substrates and blocking cell cycle progression., induction: By p53, mezerein (antileukemic compound) and interferon beta., PTM: Phosphorylation of Thr-145 by Akt or of Ser-146 by PKC impairs binding to PCNA., similarity: Belongs to the CDI family., tissue specificity: Expressed in all adult human tissues, with 5-fold lower levels observed in the brain.,

Subcellular Location : Cytoplasm . Nucleus .

Expression : Expressed in all adult tissues, with 5-fold lower levels observed in the brain.

Products Images



Western Blot analysis of 1 HeLa cell, 2 LPS 100ng/mL 30min treated ,using primary antibody at 1:1000 dilution. Secondary antibody(catalog#:RS23920) was diluted at 1:10000