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## p21 Cip1 (Phospho Ser129) Rabbit pAb

Isotype         IgG           Reactivity         Human, Mouse           Applications         IHC.WB           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)           Immunogen         Synthesized peptide derived from human p21 Cip1 (Phospho Ser129) Rabbit pAb at Human, Mouse           Formulation         Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.           Source         Rabbit.polyclonal           Purification         The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.           Dilution         WB 1:500-2000 IHC 1:50-200           Concentration         1 mg/ml           Purity         ≥90%           Storage Stability         -20°C/1 year           Synonyms         Cyclin-dependent kinase inhibitor 1 (CDK-interacting protein 1) (Melanoma differentiation-associated protein 6) (MDA-6) (p21)           Observed Band         21kD           Cell Pathway         Cytoplasm . Nucleus .           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 substrates and blocking cell cycle prodereskin din kinase inhibitor 1. (Stotk11A)		
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Gene Name       CDKN1A CAP20 CDKN1 CIP1 MDA6 PIC1 SDI1 WAF1         Protein Name       Cyclin-dependent kinase inhibitor 1 (CDK-interacting protein 1) (Melanoma differentilation-associated protein 6) (MDA-6) (p21)         Immunogen       Synthesized peptide derived from human p21 Cip1 (Phospho Ser129)         Specificity       This antibody detects endogenous levels of p21 Cip1 (Phospho Ser129) Rabbi pAb at Human, Mouse         Formulation       Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.         Source       Rabbit.polyclonal         Purification       The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.         Dilution       WB 1:500-2000 IHC 1:50-200         Concentration       1 mg/ml         Purity       ≥90%         Storage Stability       -20°C/1 year         Synonyms       Cyclin-dependent kinase inhibitor 1 (CDK-interacting protein 1) (Melanoma differentiation-associated protein 6) (MDA-6) (p21)         Observed Band       21kD         Cell Pathway       Cytoplasm . Nucleus .         Function       function:May be the important intermediate by which p53 mediates its role as an inhibitor of cellular protein 145 by Akt or of Ser-146 by PKC impairs binding to PCNA, similarity:Belongs to the CDI family. Expressed in all adult tissues, with 5-fold lower levels observed in the brain.         Function       function:May be the important intermediate by which p53 mediates its role as	Reactivity	Human, Mouse
Protein Name       Cyclin-dependent kinase inhibitor 1 (CDK-interacting protein 1) (Melanoma differentiation-associated protein 6) (MDA-6) (p21)         Immunogen       Synthesized peptide derived from human p21 Cip1 (Phospho Ser129)         Specificity       This antibody detects endogenous levels of p21 Cip1 (Phospho Ser129) Rabbi pAb at Human, Mouse         Formulation       Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.         Source       Rabbit.polyclonal         Purification       The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.         Dilution       WB 1:500-2000 IHC 1:50-200         Concentration       1 mg/ml         Purity       ≥90%         Storage Stability       -20°C/1 year         Synonyms       Cyclin-dependent kinase inhibitor 1 (CDK-interacting protein 1) (Melanoma differentiation-associated protein 6) (MDA-6) (p21)         Observed Band       21kD         Cell Pathway       Cytoplasm . Nucleus .         Tissue Specificity       Expressed in all adult tissues, with 5-fold lower levels observed in the brain.         Function       function:May be the important intermediate by which p53 mediates its role as an inhibitor of cellular profileration in response to DNA damage. Binds to and inhibit cyclin-dependent kinase activity, preventing phosphorylation of critical cyclin-dependent kinase activity, or of Ser-146 by PKC impairs binding to PCNA, similarity.Belongs to the CDI family.tissue specificity.Ex	Applications	IHC,WB
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Specificity       This antibody detects endogenous levels of p21 Cip1 (Phospho Ser129) Rabbi pAb at Human, Mouse         Formulation       Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.         Source       Rabbit,polyclonal         Purification       The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.         Dilution       WB 1:500-2000 IHC 1:50-200         Concentration       1 mg/ml         Purity       ≥90%         Storage Stability       -20°C/1 year         Synonyms       Cyclin-dependent kinase inhibitor 1 (CDK-interacting protein 1) (Melanoma differentiation-associated protein 6) (MDA-6) (p21)         Observed Band       21kD         Cell Pathway       Cytoplasm . Nucleus .         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 progressioninduction:By p53, mezerein (antileukemic compound) and interferor betaPTM:Phosphorylation of Thr-145 by Akt or of Ser-146 by PKC impairs binding to PCNA, similarity.Belongs to the CDI family, usue specificity:Expressee in all adult human tissues, with 5-fold lower levels observed in the brain.         Background       cyclin dependent kinase inhibitor 1A(CDKN1A)       Hom sapiens       This gene encodes a potent cyclin-dependent kinase inhibitor The encoded protein	Protein Name	Cyclin-dependent kinase inhibitor 1 (CDK-interacting protein 1) (Melanoma differentiation-associated protein 6) (MDA-6) (p21)
pAb at Humán, Mouse         Formulation       Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.         Source       Rabbit, polyclonal         Purification       The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.         Dilution       WB 1:500-2000 IHC 1:50-200         Concentration       1 mg/ml         Purity       ≥90%         Storage Stability       -20°C/1 year         Synonyms       Cyclin-dependent kinase inhibitor 1 (CDK-interacting protein 1) (Melanoma differentiation-associated protein 6) (MDA-6) (p21)         Observed Band       21kD         Cell Pathway       Cytoplasm . Nucleus .         Tissue Specificity       Expressed in all adult tissues, with 5-fold lower levels observed in the brain.         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 (attileukemic compound) and interferor beta. PTM. Phosphorylation of Thr-145 by Akt or of Ser-146 by PKC impairs binding to PCNA, similarity:Belongs to the CD fiele cycle progression and cyclin-dependent kinase inhibitor 1A(CDKN1A)         Background       cyclin dependent kinase inhibitor 1A(CDKN1A)       Hom sapiens         cyclin dependent kinase inhibitor cotrolled by the turm	Immunogen	Synthesized peptide derived from human p21 Cip1 (Phospho Ser129)
Source       Rabbit,polyclonal         Purification       The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.         Dilution       WB 1:500-2000 IHC 1:50-200         Concentration       1 mg/ml         Purity       ≥90%         Storage Stability       -20°C/1 year         Synonyms       Cyclin-dependent kinase inhibitor 1 (CDK-interacting protein 1) (Melanoma differentiation-associated protein 6) (MDA-6) (p21)         Observed Band       21kD         Cell Pathway       Cytoplasm . Nucleus .         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 activity of Ser-146 by PKC impairs binding to PCNA., similarity. Belongs to the CD1 family. Hissue specificity: Expressee in all adult human tissues, with 5-fold lower levels observed in the brain.,         Background       cyclin dependent kinase inhibitor 14(CDKN1A)       Home sapiens       This gene encodes a potent cyclin-dependent kinase 2 or -cyclin-dependent kinase inhibitor. The encoded protein binds to and inhibits thrase4 complexes, and thus functions as a regulator of cell cycle progression at	Specificity	This antibody detects endogenous levels of p21 Cip1 (Phospho Ser129) Rabbit pAb at Human, Mouse
Purification         The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.           Dilution         WB 1:500-2000 IHC 1:50-200           Concentration         1 mg/ml           Purity         ≥90%           Storage Stability         -20°C/1 year           Synonyms         Cyclin-dependent kinase inhibitor 1 (CDK-interacting protein 1) (Melanoma differentiation-associated protein 6) (MDA-6) (p21)           Observed Band         21kD           Cell Pathway         Cytoplasm . Nucleus .           Function         function:May be the important intermediate by which p53 mediates its role as an inhibitor of cellular poliferation in response to DNA damage. Binds to and inhibit cyclin-dependent kinase activity, preventing phosphorylation of critical cyclin-dependent kinase substrates and blocking cell cycle progression, induction:Py p53, mezerein (antileukemic compound) and interferor betaPTM:Phosphorylation of Thr-145 by Akt or of Ser-146 by PKC impairs binding to PCNA, similarity:Belongs to the CDI family, tissue specificity: Expressee in all adult human tissues, with 5-fold lower levels observed in the brain.           Background         cyclin dependent kinase inhibitor 14(CDKN1A)         Hom sapiens         This gene stirity of cyclin-cyclin-dependent kinase 2 or -cyclin-dependent kinase and inhibits the activity of cyclin-cyclin-dependent kinase 2 or -cyclin-dependent kinase and inhibits the activity of cyclin-cyclin-dependent kinase 2 or -cyclin-dependent kinase at a dil thuman tissues, with 5-fold lower levels observed in the brain.,	Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
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<ul> <li>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 progressioninduction:By p53, mezerein (antileukemic compound) and interferon beta,PTM:Phosphorylation of Thr-145 by Akt or of Ser-146 by PKC impairs binding to PCNAsimilarity:Belongs to the CDI familytissue specificity:Expressed in all adult human tissues, with 5-fold lower levels observed in the brain</li> <li>Background</li> <li>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</li> </ul>	Tissue Specificity	Expressed in all adult tissues, with 5-fold lower levels observed in the brain.
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	Background	encodes a potent cyclin-dependent kinase inhíbitor. 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



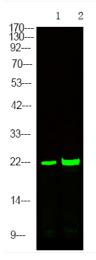
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	phase arrest in response to a variety of stress stimuli. This protein can interact with proliferating cell nuclear antigen, a DNA polymerase accessory factor, and plays a regulatory role in S phase DNA replication and DNA damage repair. This protein 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
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## **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