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KD-Validated Anti-Cyclin Dependent Kinase Inhibitor 2A Rabbit Monoclonal Antibody

Rabbit monoclonal antibody
Catalog # AGI1412

Specification

KD-Validated Anti-Cyclin Dependent Kinase Inhibitor 2A Rabbit Monoclonal Antibody - Product Information

Application	**WB, FC, ICC**
Primary Accession	P42771
Reactivity	**Human**
Clonality	**Monoclonal**
Isotype	**Rabbit IgG**
Calculated MW	**Predicted, 17 kDa; observed, 17 kDa KDa**
Gene Name	**CDKN2A**
Aliases	**CDKN2A; Cyclin Dependent Kinase Inhibitor 2A; P14ARF; CDK4I; MTS1; ARF; Cyclin-Dependent Kinase 4 Inhibitor A; P16-INK4A; P16INK4a; P19Arf; INK4a; CDKN2; CMM2; INK4; P16; P19; P14; MLM; Cyclin-Dependent Kinase Inhibitor 2A (Melanoma, P16,Inhibits CDK4); Cyclin-Dependent Kinase Inhibitor 2A; Multiple Tumour Suppressor 1; Multiple Tumor Suppressor 1; CDKN2A/ARF Intron 2 LncRNA; Alternative Reading Frame; Inhibitor Of Cdk4 A; MTS-1; CAI2; Cell Cycle Negative Regulator Beta; P19 Alternate Open Reading Frame; P14 Alternate Open Reading Frame; CDK4 Inhibitor P16-INK4; Tumor Suppressor ARF; P16-INK4a; P16-INK4; P16INK4A; P16INK4; TP16**
Immunogen	**A synthesized peptide derived from human p16 INK**

KD-Validated Anti-Cyclin Dependent Kinase Inhibitor 2A Rabbit Monoclonal Antibody - Additional Information

Gene ID	**1029**

Other Names
Cyclin-dependent kinase inhibitor 2A {ECO:0000312|HGNC:HGNC:1787}, Cyclin-dependent kinase 4 inhibitor A, CDK4I, Multiple tumor suppressor 1, MTS-1, p16-INK4a, p16-INK4, p16INK4A, CDKN2A (HGNC:1787), CDKN2, MTS1

KD-Validated Anti-Cyclin Dependent Kinase Inhibitor 2A Rabbit Monoclonal Antibody - Protein Information

Name CDKN2A (HGNC:1787)

Synonyms CDKN2, MTS1

Function
Acts as a negative regulator of the proliferation of normal cells by interacting strongly with CDK4 and CDK6. This inhibits their ability to interact with cyclins D and to phosphorylate the retinoblastoma protein.

Cellular Location
Cytoplasm. Nucleus

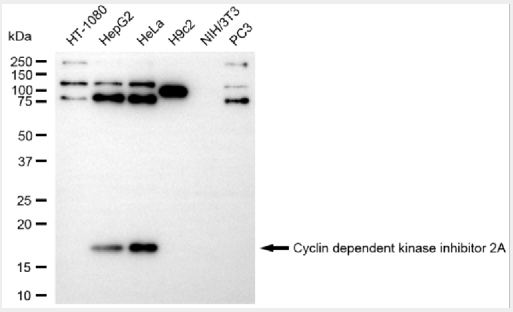
Tissue Location
Widely expressed but not detected in brain or skeletal muscle. Isoform 3 is pancreas-specific

KD-Validated Anti-Cyclin Dependent Kinase Inhibitor 2A Rabbit Monoclonal Antibody - Protocols

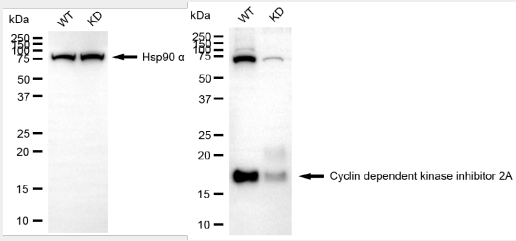
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

KD-Validated Anti-Cyclin Dependent Kinase Inhibitor 2A Rabbit Monoclonal Antibody - Images



Western blotting analysis using anti-cyclin dependent kinase inhibitor 2A antibody (Cat#AGI1412). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-cyclin dependent kinase inhibitor 2A antibody (Cat#AGI1412, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-cyclin dependent kinase inhibitor 2A antibody

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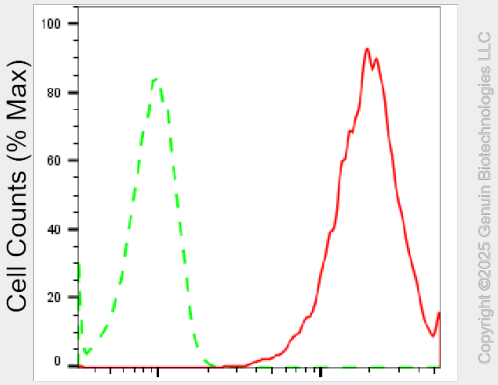
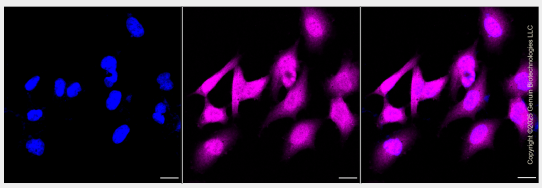
(Cat#AGI1412). Cyclin dependent kinase inhibitor 2A expression in wild-type (WT) and cyclin dependent kinase inhibitor 2A (CDKN2A) knockdown (KD) HeLa cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-cyclin dependent kinase inhibitor 2A antibody (Cat#AGI1412, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Cyclin dependent kinase inhibitor 2A-
Alexa Fluor® 647

Flow cytometric analysis of Cyclin dependent kinase inhibitor 2A expression in HeLa cells using anti-Cyclin dependent kinase inhibitor 2A antibody (Cat#AGI1412, 1:2,000). Green, isotype control; red, Cyclin dependent kinase inhibitor 2A.



Immunocytochemical staining of Hela cells with Cyclin dependent kinase inhibitor 2A antibody (Cat#AGI1412, 1:1,000). Nuclei were stained blue with DAPI; Cyclin dependent kinase inhibitor 2A was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: High.Scale bar, 20 µm.