

p16-INK4A(S152) Antibody

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP21427a

Product Information

Application WB, E **Primary Accession** P42771 Reactivity Human Host Rabbit Clonality polyclonal Isotype Rabbit IgG **Clone Names** RB53347 Calculated MW 16533

Additional Information

Gene ID 1029

Other Names Cyclin-dependent kinase inhibitor 2A, isoforms 1/2/3, Cyclin-dependent kinase

4 inhibitor A, CDK4I, Multiple tumor suppressor 1, MTS-1, p16-INK4a,

p16-INK4, p16INK4A, CDKN2A, CDKN2, MTS1

Target/Specificity This p16-INK4A(S152) antibody is generated from a rabbit immunized with a

KLH conjugated synthetic peptide between 145-176 amino acids from human

p16-INK4A.

Dilution WB~~1:2000 E~~Use at an assay dependent concentration.

Format Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.

This antibody is purified through a protein A column, followed by peptide

affinity purification.

Storage Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store

at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions p16-INK4A(S152) Antibody is for research use only and not for use in

diagnostic or therapeutic procedures.

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

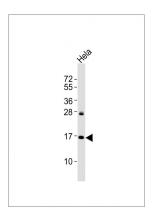
Background

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.

References

Serrano M., et al. Nature 366:704-707(1993). Robertson K.D., et al. Oncogene 18:3810-3820(1999). Kitagawa Y., et al. J. Biol. Chem. 277:46289-46297(2002). Lin Y.C., et al. Oncogene 26:7017-7027(2007). Humphray S.J., et al. Nature 429:369-374(2004).

Images



Anti p16-INK4A(S152) Antibody at 1:2000 dilution + Hela whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 17 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.