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Anti-p16 (RABBIT) Antibody

p16 Antibody
Catalog # ASR3672

Specification

Anti-p16 (RABBIT) Antibody - Product Information

Host	**Rabbit**
Conjugate	**Unconjugated**
Target Species	**Human**
Reactivity	**Human**
Clonality	**Polyclonal**
Application	**WB, IHC, E, IP, I, LCI**
Application Note	**This product was tested by immunoblot and found to be reactive against p16 from cell lysates and E.coli produced fusion proteins at a dilution of 1:1000 followed by reaction with Peroxidase conjugated Affinity Purified anti-Rabbit IgG [H&L] (Goat) (code #611-1302). Anti-p16 is suitable for the detection by immunoblot of human p16. This antisera is also suitable for immunoprecipitation of in vitro translated protein and cell lysates (Saos-2, 3T3-L1 weakly) and will co-precipitate associated proteins including p15 and potentially p15.5. This product was tested in IHC.**
Physical State	**Liquid (sterile filtered)**
Immunogen	**human p16 protein (missing the first 7 amino acids)**
Preservative	**0.01% (w/v) Sodium Azide**

Anti-p16 (RABBIT) Antibody - Additional Information

Gene ID 1029

Other Names
1029

Purity
This product was prepared from monospecific antiserum by delipidation and defibrination. Antiserum will specifically react with a p16 protein from human tissue. Cross reactivity may occur with p15 when immunoprecipitating in vitro translated product but not in immunoblots. Potentially cross reacts with p15.5.

Storage Condition
Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Precautions Note
This product is for research use only and is not intended for therapeutic or diagnostic applications.

Anti-p16 (RABBIT) 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

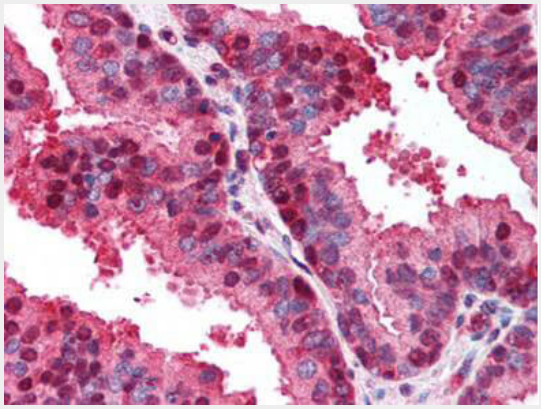
Tissue Location
Widely expressed but not detected in brain or skeletal muscle. Isoform 3 is pancreas-specific

Anti-p16 (RABBIT) 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

Anti-p16 (RABBIT) Antibody - Images



Rockland's anti-p16 antibody was diluted 1:500 to detect p16 in human prostate tissue. Tissue was formalin fixed and paraffin embedded. No pre-treatment of sample was required. The image shows the localization of antibody as the precipitated red signal, with a hematoxylin purple nuclear counter stain.

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Anti-p16 (RABBIT) Antibody - Background

The gene for CDK2NA generates several transcripts/proteins which differ from each other in their first exons. Three of these transcripts are generated by alternative splicing (isoform 1 a.k.a p16INK4A, isoform 2 and isoform 3 a.k.a p12), two of which are known to function as inhibitors of CDK4 kinase. One other transcript that is generated from this gene contains an alternate reading frame (ARF), with the first exon located 20kb upstream of the remainder of the gene (isoform 4 a.k.a. p14ARF, p19ARF, ARF). In spite of the structural and some functional differences, all the proteins encoded by the CDKN2A gene are involved in cell cycle G1 control.