

Anti-p16 Cdkn2a Antibody

Catalog Number: A00016

About CDKN2A

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.

Overview

Product Name	Anti-p16 Cdkn2a Antibody
Reactive Species	Human
Description	Boster Bio Anti-p16 Cdkn2a Antibody (Catalog # A00016). Tested in IHC, WB applications. This antibody reacts with Human.
Application	ELISA, IP, IHC, WB
Clonality	Polyclonal
Formulation	0.01% (w/v) Sodium Azide
Storage Instructions	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. Expiration date is one (1) year from date of opening. (Ship on dry ice.)
Host	Rabbit
Uniprot ID	P42771

Technical Details

Immunogen	human p16 protein (missing the first 7 amino acids)
Predicted Reactive Species	Human
Isotype	Antiserum
Form	Liquid (sterile filtered)
Concentration	85 mg/mL by Refractometry
Purification	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.

Suggested Dilutions

ELISA: 1:5,000 - 1:20,000

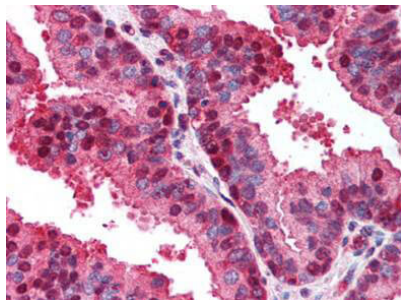
IHC: 1:500

IP: 1:100

WB: 1:500 - 1:5,000

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.

Anti-p16 Cdkn2a Antibody (A00016) Images



Boster'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.

2 Publications Citing This Product

1. PubMed ID: 15378766, Construction of pETNF-P16 plasmid and its expression properties in EC9706 cell line induced by X-ray irradiation
2. PubMed ID: 30070315, Expression of p16 protein in infantile hemangioma

Visit bosterbio.com/anti-p16-antibody-a00016-boster.html to see all 2 publications.

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Anti-p16 Cdkn2a Antibody

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