

## Anti-p16INK4a/CDKN2A Antibody

Catalog Number: A00016-5

### 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.

### Overview

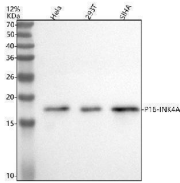
Product Name	Anti-p16INK4a/CDKN2A Antibody
Reactive Species	Human
Description	Boster Bio Anti-p16INK4a/CDKN2A Antibody catalog # A00016-5. Tested in WB, IHC, ICC, IF, IP, Flow Cytometry applications. This antibody reacts with Human.
Application	Flow Cytometry, IP, IF, IHC, ICC, WB
Clonality	Polyclonal
Formulation	500 ug/ml antibody with PBS, 0.02% NaN <sub>3</sub> , 1 mg stabilizing protein and 50% glycerol *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	12 months from date of receipt $-20^{\circ}\text{C}$ as supplied. 6 months 2 to $8^{\circ}\text{C}$ after reconstitution. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	P42771

### Technical Details

Immunogen	E.coli-derived human P16-INK4A/CDKN2A recombinant protein (Position: P48-D156).
Form	Liquid
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 1:500-2000 Immunohistochemistry, 1:50-400 Immunocytochemistry/Immunofluorescence, 1:50-400 Immunoprecipitation, 1:50 Flow Cytometry (Fixed), 1-3ug/1x10 <sup>6</sup> cells



## Anti-p16INK4a/CDKN2A Antibody (A00016-5) Images



Western blot analysis of p16INK4a/CDKN2A using anti-p16INK4a/CDKN2A antibody (A00016-5). Electrophoresis was performed on a 10% SDS-PAGE gel at 80V (Stacking gel) / 120V (Resolving gel) for 2 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human HeLa whole cell lysates, Lane 2: human 293T whole cell lysates, Lane 3: human SiHa whole cell lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-p16INK4a/CDKN2A antigen affinity purified polyclonal antibody (A00016-5) at 1:1000 overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an ECL Plus Western Blotting Substrate (Catalog # AR1196-200) with Tanon 5200 system. A specific band was detected for p16INK4a/CDKN2A at approximately 17 kDa. The expected band size for p16INK4a/CDKN2A is at 17 kDa.

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Anti-p16INK4a/CDKN2A Antibody

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