

## Anti-p16INK4a/CDKN2 Antibody (Monoclonal, DCS-50)

Catalog Number: MA1074

### About CDKN2A

p16 (INK4A), also known as cyclin-dependent kinase inhibitor 2A (CDKN2A), or multiple tumor suppressor 1 (MTS1). The p16 gene (CDKN2A) was mapped to 9p21. The p16 gene encodes a negative regulator of the cell cycle. CDKN2 plays an important role during tumorigenesis or tumor progression in a significant proportion of pancreatic adenocarcinomas. Germ-line mutations in the CDKN2A tumor-suppressor gene have been linked to the development of melanoma in some families with inherited melanoma.

### Overview

Product Name	Anti-p16INK4a/CDKN2 Antibody (Monoclonal, DCS-50)
Reactive Species	Human
Description	Boster Bio Anti-p16INK4a/CDKN2 Antibody (Monoclonal, DCS-50) catalog # MA1074. Tested in IHC, ICC, WB applications. This antibody reacts with Human.
Application	IHC, ICC, WB
Clonality	Monoclonal DCS-50
Formulation	Mouse IgG in stabilizing components, 1.2% sodium acetate and 0.01mg NaN3.
Storage Instructions	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
Host	Mouse
Uniprot ID	Q9R0Z3

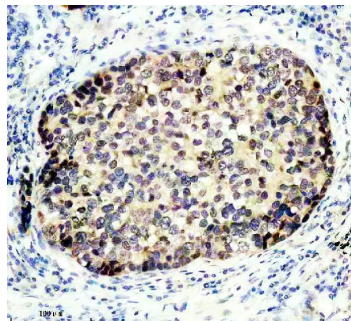
### Technical Details

Immunogen	Recombinant human p16 protein.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Mouse IgG (EK1001) for Western blot, and HRP Conjugated anti-Mouse IgG Super Vision Assay Kit (SV0001-1) for IHC(F) and ICC.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Mouse IgG1
Form	Lyophilized
Concentration	Adding 1 ml of PBS buffer will yield a concentration of 100 ug/ml.
Purification	Ascites
Suggested Dilutions	Immunocytochemistry , 1ug/ml, Human, -

Immunohistochemistry (Frozen Section), 1-2ug/ml, Human, -Immunohistochemistry (Paraffin-embedded Section), 5ug/ml, Human

Western blot, 0.5-1ug/ml, Human

## Anti-p16INK4a/CDKN2 Antibody (Monoclonal, DCS-50) (MA1074) Images



IHC analysis of CDKN2 using anti-CDKN2 antibody (MA1074). CDKN2 was detected in a paraffin-embedded section of non-small cell lung cancer. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with mouse anti-CDKN2 Antibody (MA1074) at 5 ug/ml overnight at 4°C. Peroxidase Conjugated Goat Anti-mouse IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Mouse IgG Super Vision Assay Kit (Catalog # SV0001) with DAB as the chromogen.

### 1 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

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