Product datasheet

Anti-p16INK4a/CDKN2A Antibody (Clone#DCS-50)

Catalog Number: *BM1592*

BOSTER
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Basic Information

Product Name	Anti-p16INK4a/CDKN2A Antibody (Clone#DCS-50)
Gene Name	CDKN2A
Source	Mouse
Clonality	Monoclonal
Isotype	IgG1
Species Reactivity	human
Tested Application	WB, IHC, ICC/IF
Contents	500 ug/ml antibody with PBS， 0.02% NaN3 , 1 mg BSA and 50% glycerol.
Immunogen	Recombinant human p16 protein.
Concentration	500 ug/ml
Purification	Ascites
Observed MW	16 kDa
Dilution Ratios	Western blot (WB):: 1:500-2000 Immunohistochemistry (IHC): 1:50-400 Immunocytochemistry/Immunofluorescence (ICC/IF): 1:50-400 (Boiling the paraffin sections in 10mM citrate buffer,pH6.0,or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.

Storage

12 months from date of receipt，-20℃ as supplied.

Background Information

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.

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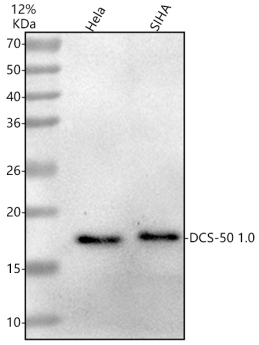
Reference

Anti-p16INK4a/CDKN2A Antibody (Clone#DCS-50)被引用在9文献中。

Selected Validation Data



Western blot analysis of anti-p16INK4a/CDKN2A antibody (BM1592). 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 SiHa whole cell lysates.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with mouse anti-p16INK4a/CDKN2A antigen affinity purified monoclonal antibody (BM1592) at a dilution of 1:1000 and probed with a goat anti-mouse IgG-HRP secondary antibody (Catalog # BA1050). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for p16INK4a/CDKN2A at approximately 16 kDa. The expected band size for p16INK4a/CDKN2A is at 16 kDa.