

Basic Information

Product Name	Anti-p16INK4a/CDKN2A Antibody (Clone#OTI4C11)	
Gene Name	CDKN2A	
Source	Mouse	
Clonality	Monoclonal	
Isotype	IgG1	
Species Reactivity	human	
Tested Application	IHC, WB, ICC/IF	
Contents	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.	
Immunogen	Full length human recombinant protein of human CDKN2A (NP_000068) produced in E.coli.	
Concentration	500 ug/ml	
Purification	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)	
Observed MW	16.4 kDa	
Dilution Ratios	Western blot (WB):	1:1000
	Immunohistochemistry (IHC):	1:150
	Immunocytochemistry/Immunofluorescence (ICC/IF):	1:100

Storage

Stable for 12 months from date of receipt. Store at -20°C as received.

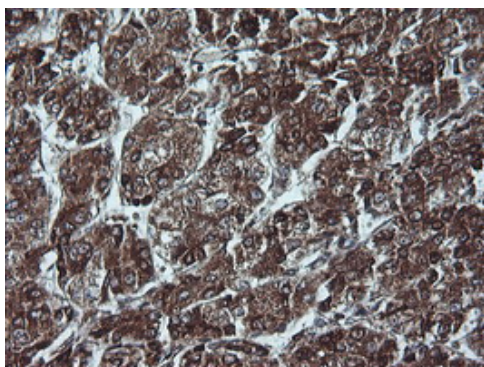
Background Information

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.

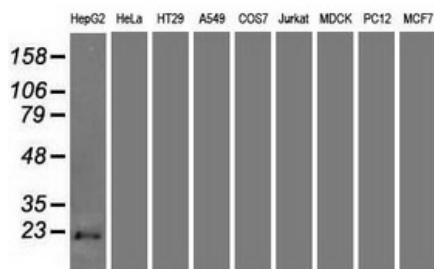
Reference

Anti-p16INK4a/CDKN2A Antibody (Clone#OTI4C11)被引用在1文献中。

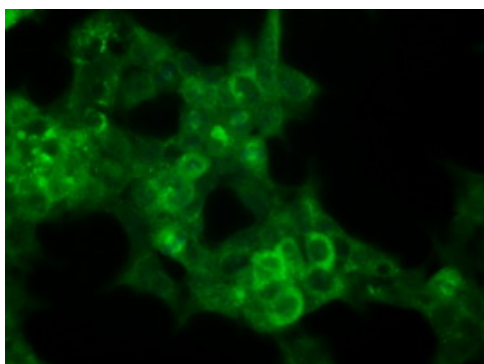
Selected Validation Data



Immunohistochemical staining of paraffin-embedded Carcinoma of Human liver tissue using anti-P16 mouse monoclonal antibody. (MA00016)



Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-P16 monoclonal antibody.



Immunofluorescent staining of HepG2 cells using anti-P16 mouse monoclonal antibody.