

p16 Polyclonal Antibody

Catalog No.	B-IO-10185	Reactivity	H,R
Storage	Store at -20°C. Avoid freeze / thaw cycles.	Host	Rabbit
Applications	IHC,IF	Isotype	IgG

Note: Centrifuge before opensure complete recovery of vial contents.

Immunogen Information

Immunogen	Recombinant Rat Cyclin-dependent kinase inhibitor 2A protein
GeneID	25163
Swissprot	Q9R0Z3
Synonyms	CCM2,CDK4 inhibitor p16 INK4,CDK4I,CDKN2,CDKN2A,Cell cycle negative regulator beta,CMM2

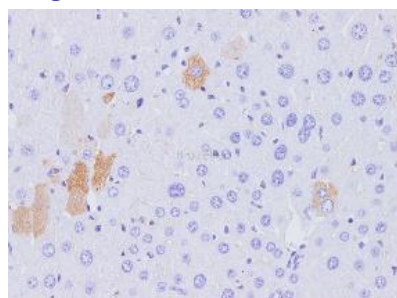
Product Information

Buffer	PBS with 0.05% Proclin300, 50% glycerol, pH7.3.
Purify	Antigen Affinity Purification
Dilution	IHC 1:50-1:200 IF 1:100-1:200

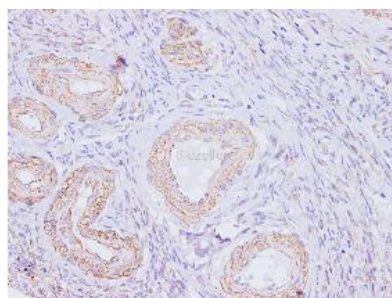
Background

This gene generates several transcript variants which differ in their first exons. At least three alternatively spliced variants encoding distinct proteins have been reported, two of which encode structurally related isoforms known to function as inhibitors of CDK4 kinase. The remaining transcript includes an alternate first exon located 20 Kb upstream of the remainder of the gene; this transcript contains an alternate open reading frame (ARF) that specifies a protein which is structurally unrelated to the products of the other variants. This ARF product functions as a stabilizer of the tumor suppressor protein p53 as it can interact with, and sequester, the E3 ubiquitin-protein ligase MDM2, a protein responsible for the degradation of p53.

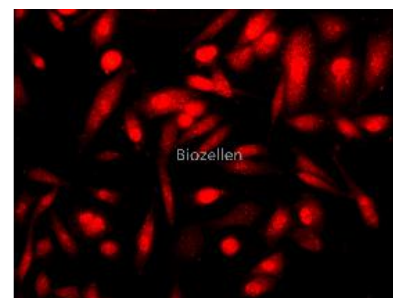
Images



Immunohistochemistry of paraffinembedded Rat liver using p16 Polyclonal Antibody at dilution of 1:100



Immunohistochemistry of paraffinembedded Human ovarian using p16 Polyclonal Antibody at dilution of 1:100



Immunofluorescence analysis of PC-3 cells using p16 Polyclonal Antibody at dilution of 1:100