Mouse Monoclonal Antibody to P16 (Mouse and Human)

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Order Information

Catalog#	20130	
Size/Concentration	100µl	50µl
Price(¥)	2180	1280

Description

The progression of cells through the cell cycle is regulated by a family of protein kinases known as cyclin-dependent kinases (Cdks). The sequential activation of individual members of this family and their consequent phosphorylation of critical substrates promotes orderly progression through the cell cycle. The cyclins function as differentially expressed positive regulators of Cdks. Negative regulators of the cycle include the p53-inducible 21 kDa WAF1/Cip1 protein designated p21, Kip1 p27 and p16. The complexes formed by Cdk4 and the D-type cyclins have been strongly implicated in the control of cell proliferation during the G1 phase. It has recently been shown that p16 binds to Cdk4 and inhibits the catalytic activity of the Cdk4/cyclin D complex. Moreover, the gene encoding p16 exhibits a high frequency of homozygous deletions and point mutations in established human tumor cell lines.

Specification

Aliases : P16

Entrez GeneID : 1029

Swissprot : P42771

clone : 1E12E10

Host/Isotype : Mouse IgG1

Antibody Type : Primary antibody

Storage : Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Species Reactivity : Human,Mouse,Rat

Immunogen : Purified recombinant fragment of P16 expressed in E. Coli.

Formulation : Ascitic fluid containing 0.03% sodium azide.

Application

IHC	1/200 - 1/1000
ELISA	1/10000

References

1. Hunter, T. 1993. Cell 75: 839-841.
2. Sherr, C.J. 1993. Cell 73: 1059-1065.
3. El-Deiry, W.S., et al. 1993. Cell 75: 817-825.

Protocal

WB - www.promab.com/protocol/wb.html
IHC - www.promab.com/protocol/ihc.html
ICC - www.promab.com/protocol/icc.html
HCM - www.promab.com/protocol/hcm.html

Antigen Sequence is available upon request.

Products and Services

- Mouse Monoclonal Antibody
- Rat Monoclonal Antibody
- Human Antibody
- Hybridoma Sequencing
- Polyclonal Antibody

For Research Only

Application Key:WB - Western Blot | **IHC** - Immunohistochemistry | **ICC** - Immunocytochemistry | **FCM** - Flow Cytometry | **ELISA** - Enzyme-linked Immunosorbent Assay | **IP** - Immunoprecipitation

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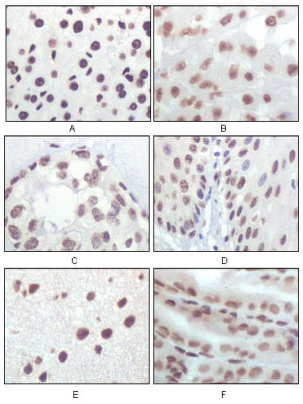

Immunohistochemical analysis of paraffin-embedded rat liver tissue (A), human brain tumor (B), breast cancer (C), esophageal epithelium tissue (D), mouse brain tissue (E) and stomach tisue (F), showing nuclear localization using P16 mouse mAb with DAB staining.

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