

Mouse Monoclonal Antibody to Human P16

Catalogue Number	sAP-0110
Target Molecule	Name: Human P16 Aliases: Human P16 MW: N/A Entrez Gene ID: 1029
Description	p16 (cyclin-dependent kinase inhibitor 2A, INK4a) is a tumor suppressor protein. It is a specific inhibitor of Cdk 4 / Cdk 6, and a tumor suppressor involved in the pathogenesis of a variety of malignancies. Recent analyses of the p16 INK4a gene revealed homozygous deletions, nonsense, missense, or frameshift mutations in several human cancers. Although the frequency of p16 INK4a abnormalities is higher in tumor derived cell lines than in unselected primary tumors, significant subsets of clinical cases with aberrant p16 INK4a gene have been reported among melanomas, gliomas, esophageal, pancreatic, lung, and urinary bladder carcinomas, and some types of leukemia.
Immunogen	Purified recombinant fragment of P16 expressed in E. Coli.
Reactive Species	Human;
Clone	MM5A8A4;
Size and Concentration	100µg/1mg/ml
Supplied as	Lyophilized Powder from 100µl of Ascitic fluid containing 0.03% sodium azide.
Reconstitution/Storages	Reconstituted with 100µl sterile DI H2O, at stored at 4°C or -20°C for short or long term storage
Applications	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; IHC: 1 to 200 - 1 to 1000
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	1. Bai, F. et al. Mol. Cell. Biol.2003 23, 1269-1277. ; 2. Lowe, S.W. and Sherr, C.J. Curr. Opin. Genet.2003 Dev.13, 77-83.; 3. Sherr, C.J. Nat. Rev. Mol. Cell Biol.2001 2, 731-737.;

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**