

p16 INK4A (D7C1M) Rabbit mAb



Orders: 877-616-CELL (2355)

orders@cellsignal.com

877-678-TECH (8324) Support:

info@cellsignal.com cellsignal.com Web:

3 Trask Lane | Danvers | Massachusetts | 01923 | USA

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Applications:Reactivity:W, IP, FC-FPH	Sensitivity: Endogenous	MW (kDa): 16	Source/Isotype: Rabbit IgG	UniProt ID: #P42771	Entrez-Gene Id 1029	
Product Usage Information	Application Western Blotting Immunoprecipitation Flow Cytometry (Fixed				Dilution 1:1000 1:50 1:3200	
Storage	Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μ g/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.					
	For a carrier free (BSA and azide free) version of this product see product #50604.					
Specificity/Sensitivity	p16 INK4A (D7C1M) Rabbit mAb recognizes endogenous levels of total p16 INK4A protein. This antibody does not cross-react with p15 INK4B. This antibody is not recommended for use in immunohistochemistry.					
Source / Purification	Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Ala143 of human p16 INK4A protein.					
Background	Members of the INK4 family of cyclin-dependent kinase inhibitors include p16 INK4A, p15 INK4B, p18 INK4C, and p19 INK4D. The INK4 family members inhibit cyclin-dependent kinases 4 and 6 (CDK4 and CDK6), causing cell cycle arrest in G1 phase. The INK4A-ARF-INK4B locus on chromosome 9p21, frequently lost in human cancer, encodes the INK4 family members p16 INK5A and p15 INK4B, as well as the unrelated protein, ARF (1).					
	senescence, and p16	INK4A expression is often altered in hun	l in the absence of stres a commonly used mark nan cancer, and high exp -5).	ker of senescent co	ells (2,3). p16 INK4A	
Background References	 Kim, W.Y. and Sharpless, N.E. (2006) <i>Cell</i> 127, 265-75. LaPak, K.M. and Burd, C.E. (2014) <i>Mol Cancer Res</i> 12, 167-83. Romagosa, C. et al. (2011) <i>Oncogene</i> 30, 2087-97. Ishikawa, M. et al. (2006) <i>Int J Gynecol Cancer</i> 16, 347-53. Queiroz, C. et al. (2006) <i>Pathol Res Pract</i> 202, 77-83. 					
Species Reactivity	Species reactivity is d	etermined by testing	g in at least one approve	ed application (e.g	., western blot).	
Western Blot Buffer		IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.				
Applications Key	W: Western Blotting I	W: Western Blotting IP: Immunoprecipitation FC-FP: Flow Cytometry (Fixed/Permeabilized)				
Cross-Reactivity Key	H: Human					
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