

## ING1b (D3D5Z) Rabbit mAb



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## For Research Use Only. Not for Use in Diagnostic Procedures.

<b>Applications:</b> W, IP	<b>Reactivity:</b> H M R Mk	<b>Sensitivity:</b> Endogenous	<b>MW (kDa):</b> 33	<b>Source/Isotype:</b> Rabbit IgG	UniProt ID: #Q9UK53-2	Entrez-Gene Id: 3621
Product Usage Information	•	<b>Application</b> Western Blotting Immunoprecipitation			<b>Dilution</b> 1:1000 1:50	
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.				
Specificity/Sensitivity		ING1b (D3D5Z) Rabbit mAb recognizes endogenous levels of total ING1b protein. This antibody specifically recognizes the ING1b p33 isoform (UniProt# Q9UK53-2).				
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues near the amino terminus of human ING1b protein.				
Background		proteins and transcript with the widely express senescence (2-5). All IN recognize and bind me expression of genes th The PHD of ING1 may genes that are regulate as a tumor suppressor,	cion regulators (1,2 sed ING1b (p33) is lG family proteins othylated lysine res rough its associati facilitate the recrui ed by various trans alterations in ING	of an evolutionarily con c). Differential mRNA spl oform playing key roles contain a plant homeod idues on histone proteir on with histone acetyltra tment of these chromat scription factors, such as 1 expression levels and is in the corresponding	icing generates sev in cell cycle regulat omain (PHD) that is ns (6,7). The ING1 p ansferase and deac in-modifying enzyr p53 (2, 8-10). Cons cytoplasm localizat	eral ING1 isoforms, ion, apoptosis, and thought to rotein regulates etylase complexes. nes to targets sistent with its role ion have been
Background References		1. Unoki, M. et al. (2009) <i>Cancer Sci</i> 100, 1173-9. 2. Nouman, G.S. et al. (2003) <i>J Clin Pathol</i> 56, 491-6. 3. Helbing, C.C. et al. (1997) <i>Cancer Res</i> 57, 1255-8. 4. Shinoura, N. et al. (1999) <i>Cancer Res</i> 59, 5521-8. 5. Abad, M. et al. (2011) <i>Aging Cell</i> 10, 158-71. 6. Garkavtsev, I. et al. (1996) <i>Nat Genet</i> 14, 415-20. 7. He, G.H. et al. (2005) <i>Mol Biol Evol</i> 22, 104-16. 8. Pedeux, R. et al. (2005) <i>Mol Cell Biol</i> 25, 6639-48. 9. Kuzmichev, A. et al. (2002) <i>Mol Cell Biol</i> 22, 835-48. 10. Peña, P.V. et al. (2008) <i>J Mol Biol</i> 380, 303-12. 11. Toyama, T. et al. (1999) <i>Oncogene</i> 18, 5187-93. 12. Ohmori, M. et al. (1999) <i>Am J Hematol</i> 62, 118-9. 13. Tallen, G. et al. (2004) <i>Int J Cancer</i> 109, 476-9. 14. Li, X.H. et al. (2011) <i>Histol Histopathol</i> 26, 597-607.				

**Species Reactivity** 

Species reactivity is determined by testing in at least one approved 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 IP: Immunoprecipitation

**Cross-Reactivity Key** 

H: Human M: Mouse R: Rat Mk: Monkey

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