

Nucleolin (D4C7O) Rabbit mAb (HRP Conjugate)



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

Applications: W	Reactivity: H M R Mk	Sensitivity: Endogenous	MW (kDa): 100	Source/Isotype: Rabbit IgG	UniProt ID: #P19338	Entrez-Gene Id: 4691
Product Usage Information		Application Western Blotting			Dilution 1:1000	
Storage		Supplied in 136 mM NaCl, 2.6 mM KCl, 12 mM sodium phosphate (pH 7.4) dibasic, 2 mg/ml BSA, and 50% glycerol. Store at –20°C. Do not aliquot the antibody.				
Specificity/Sensitivity		Nucleolin (D4C7O) Rabbit mAb recognizes endogenous levels of total nucleolin protein.				
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Gly53 of human nucleolin protein.				
Description		peroxidase (HRP) via it	s amine groups. Th	s conjugated to the carb ne HRP conjugated antib ted Nucleolin (D4C7O) R	ody is expected to	exhibit the same
Background		plays an essential role pre-rRNA, pre-ribosom While the main function nuclear activities. Down genome duplication, and addition, nucleolin has homologous recombinates reverse transcriptase, possesses histone cha SWItch/Sucrose Non F	in various steps of nal RNA assembly, on of nucleolin is ril on regulation of nucleolin and a delay at prom s been found in a c nation (7). Nucleolin hTERT, and is thou perone activity and ermentable (SWI/S	at is one of the major co ribosome biogenesis in and transport of riboson cosome biogenesis, it plant cleolin leads to increased etaphase during mitosic complex with Rad51 and in binds to the catalytic so ght to be involved in teld it is able to enhance the NF) and ATP-dependent icleosomes, and facilitat	cluding rRNA synth nal proteins out of t ays an important ro d expression of p53 s leading to cell cyc may participate in I ubunit of the huma omere maintenance chromatin remodel chromatin-assemb	esis, processing of the nucleus (1-3). ble in various other , defects in le arrest (4-6). In DNA repair by n telomerase e (8). Nucleolin also ing efficiency of ly factor (ACF),
1. Tajrishi, M.M. et al. (2011) Commun Integr Biol 4, 267-7 2. Ginisty, H. et al. (1999) J Cell Sci 112 (Pt 6), 761-72. 3. Srivastava, M. and Pollard, H.B. (1999) FASEB J 13, 1911- 4. Takagi, M. et al. (2005) Cell 123, 49-63. 5. Ugrinova, I. et al. (2007) BMC Mol Biol 8, 66. 6. Ma, N. et al. (2007) J Cell Sci 120, 2091-105. 7. De, A. et al. (2006) Biochem Biophys Res Commun 344, 8. Khurts, S. et al. (2004) J Biol Chem 279, 51508-15. 9. Angelov, D. et al. (2006) EMBO J 25, 1669-79.				: 6), 761-72. FASEB J 13, 1911-22. 8, 66. 105. es Commun 344, 206-13. 51508-15.		
Species Reactivit	v	Species reactivity is de	stermined by testin	g in at least one approve	ed application (e.g.	western blot)

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Western Blot Buffer

IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v nonfat dry milk, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

Applications Key W: Western Blotting

Cross-Reactivity Key H: Human M: Mouse R: Rat Mk: Monkey

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