

RPL5 Antibody



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

		34	Rabbit	#P46777	6125	
	Application Western Blotting			Dilution 1:1000		
	Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA and 50% glycerol. Store at – 20°C. <i>Do not aliquot the antibody.</i>					
itivity	RPL5 Antibody recognizes endogenous levels of total RPL5 protein.					
ed to react sequence	Bovine, Pig, Horse					
ation	Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Gln122 of human RPL5 protein. Antibodies are purified by protein A and peptide affinity chromatography.					
	Ribosomal protein L5 (RPL5) is one of several proteins that comprise the 60S ribosomal subunit. RPL5 binds 5S rRNA and the nucleolar RPL11 protein to form the 5S ribonucleoprotein particle (RNP) that is incorporated into the large 60S ribosomal subunit (1). An RP-MDM2-p53 protein complex that contains ribosomal proteins RPL5, RPL11, and RPL23 acts as a nucleolar stress sensor that binds and inhibits MDM2 ubiquitin ligase activity and enhances p53-mediated transcriptional activity (2,3). RPL5 cooperates with RPL11 to influence ribosome biogenesis through regulating expression of the transcription factor c-Myc, which acts as the master regulator of ribosome biogenesis (4). Mutations in the corresponding <i>RPL5</i> gene are associated with Diamond-Blackfan anemia, which is a form of red blood cell aplasia, and some cases of pediatric T-cell acute lymphoblastic leukemia (5,6).					
ferences	2. Horn, H.F. and Vous 3. Dai, M.S. and Lu, H. 4. Liao, J.M. et al. (201 5. Avondo, F. et al. (20	n, H.F. and Vousden, K.H. (2008) <i>Oncogene</i> 27, 5774-84. M.S. and Lu, H. (2004) <i>J Biol Chem</i> 279, 44475-82. , J.M. et al. (2013) <i>Oncogene</i> , [Epub ahead of print]. ndo, F. et al. (2009) <i>BMC Genomics</i> 10, 442.				
	sitivity ed to react sequence ation	Supplied in 10 mM so 20°C. Do not aliquot to react sequence Bovine, Pig, Horse Bovine, Pig, Horse Bovines surrounding affinity chromatograp Ribosomal protein L5 binds 55 rRNA and the incorporated into the ribosomal proteins RF MDM2 ubiquitin ligas cooperates with RPL1 transcription factor cthe corresponding RF blood cell aplasia, and ferences 1. Zhang, J. et al. (200 2. Horn, H.F. and Vous 3. Dai, M.S. and Lu, H. 4. Liao, J.M. et al. (201 5. Avondo, F. et al. (201 200 200 200 200 200 200 200 200 200	Western Blotting Supplied in 10 mM sodium HEPES (pH 7.5 20°C. Do not aliquot the antibody. RPL5 Antibody recognizes endogenous letted to react sequence Bovine, Pig, Horse Polyclonal antibodies are produced by im residues surrounding Gln122 of human Faffinity chromatography. Ribosomal protein L5 (RPL5) is one of seven binds 55 rRNA and the nucleolar RPL11 pincorporated into the large 60S ribosomal proteins RPL5, RPL11, and RPL MDM2 ubiquitin ligase activity and enhar cooperates with RPL11 to influence ribos transcription factor c-Myc, which acts as the corresponding RPL5 gene are associated blood cell aplasia, and some cases of peoferences 1. Zhang, J. et al. (2007) Genes Dev 21, 25 2. Horn, H.F. and Vousden, K.H. (2008) Or 3. Dai, M.S. and Lu, H. (2004) J Biol Chem 4. Liao, J.M. et al. (2013) Oncogene, [Epub 5. Avondo, F. et al. (2009) BMC Genomics	Western Blotting Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg 20°C. Do not aliquot the antibody. RPL5 Antibody recognizes endogenous levels of total RPL5 proteins and the react sequence Bovine, Pig, Horse Polyclonal antibodies are produced by immunizing animals with residues surrounding Gln122 of human RPL5 protein. Antibodies affinity chromatography. Ribosomal protein L5 (RPL5) is one of several proteins that comp binds 5S rRNA and the nucleolar RPL11 protein to form the 5S ritionsomal proteins RPL5, RPL11, and RPL23 acts as a nucleolar st MDM2 ubiquitin ligase activity and enhances p53-mediated trans cooperates with RPL11 to influence ribosome biogenesis through transcription factor c-Myc, which acts as the master regulator of the corresponding RPL5 gene are associated with Diamond-Black blood cell aplasia, and some cases of pediatric T-cell acute lymph	Western Blotting 1:1000 Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA and 50% gl 20°C. Do not aliquot the antibody. RPL5 Antibody recognizes endogenous levels of total RPL5 protein. Bovine, Pig, Horse Polyclonal antibodies are produced by immunizing animals with a synthetic peptide residues surrounding Gln122 of human RPL5 protein. Antibodies are purified by pro affinity chromatography. Ribosomal protein L5 (RPL5) is one of several proteins that comprise the 60S ribosor binds 5S rRNA and the nucleolar RPL11 protein to form the 5S ribonucleoprotein pai incorporated into the large 60S ribosomal subunit (1). An RP-MDM2-p53 protein con ribosomal proteins RPL5, RPL11, and RPL23 acts as a nucleolar stress sensor that bin MDM2 ubiquitin ligase activity and enhances p53-mediated transcriptional activity (α cooperates with RPL11 to influence ribosome biogenesis through regulating express transcription factor c-Myc, which acts as the master regulator of ribosome biogenes the corresponding RPL5 gene are associated with Diamond-Blackfan anemia, which blood cell aplasia, and some cases of pediatric T-cell acute lymphoblastic leukemia (serences) 1. Zhang, J. et al. (2007) Genes Dev 21, 2580-92. 2. Horn, H.F. and Vousden, K.H. (2008) Oncogene 27, 5774-84. 3. Dai, M.S. and Lu, H. (2004) J Biol Chem 279, 44475-82. 4. Liao, J.M. et al. (2013) Oncogene, [Epub ahead of print]. 5. Avondo, F. et al. (2009) BMC Genomics 10, 442.	

Species Reactivity

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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