

#2415 Store at -20°C

Ribosomal Protein L7a (E109) Antibody



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

Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source:	UniProt ID:	Entrez-Gene Id:
WB, IF-IC	H M R Mk	Endogenous	32	Rabbit	#P62424	6130

Product Usage Information	Application Western Blotting Immunofluorescence (Immunocytochemistry)	Dilution 1:1000 1:100
Storage	Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA and 50% glycerol. Store at –20°C. Do not aliquot the antibody.	
Specificity / Sensitivity	Ribosomal protein L7a Antibody detects endogenous levels of total ribosomal protein L7a. Immunofluorescent analysis using this antibody shows exclusive localization of ribosomal protein L7a to nucleoli during ribosomal biosynthesis.	
Source / Purification	Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Glu109 of human ribosomal protein L7a. Antibodies are purified by protein A and peptide affinity chromatography.	
Background	Ribosomal protein L7a is a highly conserved ribosome protein localized to 60S ribosomal subunit (1). The protein has distinct domains that target the newly synthesized polypeptide to nucleus and the nucleoli, the site of ribosome biosynthesis (2). Ribosomal protein L7a can also interact with RNA <i>in vitro</i> through two distinct RNA-binding domains in the protein (3). Taken together, nucleolar localization and the ability to bind RNA suggests that ribosomal protein L7a may act as an important component for ribosome biosynthesis and function.	
Background References	1. De Falco, S. et al. (1993) <i>Gene</i> 126, 227-235. 2. Russo, G. et al. (1997) <i>J. Biol. Chem.</i> 272, 5229-5235. 3. Russo, G. et al. (2005) <i>Biochem J.</i> 385, 289-299.	

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	WB: Western Blotting IF-IC: Immunofluorescence (Immunocytochemistry)
Cross-Reactivity Key	H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse GP: Guinea Pig Rab: rabbit All: all species expected
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