Ribosomal Protein L7a (E109) Antibody

**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 nucleolus, the site of ribosome biosynthesis (2). Ribosomal protein L7a can also interact with RNA in vitro 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.

**Specificity/Sensitivity:** Ribosomal protein L7a Antibody detects endogenous levels of total ribosomal protein L7a protein. 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 References:**

**Applications:** Western blotting 1:1000

**Recommended Antibody Dilutions:**
Western blotting 1:1000
Immunofluorescence (IF-IC) 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.

**Species Cross-Reactivity Key:**
H—human
M—mouse
R—rat
Hm—hamster
Mk—monkey
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
All—all species expected

**Cross-Reactivity:**
- H, M, R, Mk
- 32 kDa

**Recommended Applications:**
- Western blotting
- Immunofluorescence (IF-IC)

**Molecular Wt.:** 32 kDa

**Source:** Rabbit **

**Storage:**
- Store at –20°C
- Ribosomal Protein L7a (E109) Antibody
- rev. 12/22/15

**Entrez-Gene ID** #6130
**Swiss-Prot Acc.** #P62424

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