Ribosomal Protein L7a (E109) Antibody

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

Product Usage Information

<table>
<thead>
<tr>
<th>Application</th>
<th>Dilution</th>
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<tbody>
<tr>
<td>Western Blotting</td>
<td>1:1000</td>
</tr>
<tr>
<td>Immunofluorescence (Immunocytochemistry)</td>
<td>1:100</td>
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</tbody>
</table>

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 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.

Background References


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
rat
Hm: hamster
Mk: monkey
Vir: virus
Mi: mink
Ch: 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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