10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

rpmB/L28 Antibody

Catalog # ASC12239

Product Information

Application	WB, E
Primary Accession	P0A7M2
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Clone Names	rpmB
Calculated MW	9006
Concentration (mg/ml)	1 mg/mL
Conjugate	Unconjugated
Application Notes	WB: 0.5 µg/mL. Antibody validated: Western Blot in E.coli samples. All other applications and species not yet tested.

Additional Information

Gene ID	67174870;946941
Alias Symbol	rpmB
Other Names	Large ribosomal subunit protein bL28, 50S ribosomal protein L28, rpmB
Reconstitution & Storage	rpmB/L28 Antibody can be stored at 4 ˚ C for three months and -20 ˚ C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Precautions	rpmB/L28 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	rpmB {ECO:0000255|HAMAP-Rule:MF_00373}

Background

The rpmB/L28 protein is a component of the 50S subunit of the ribosome and is required for ribosome assembly. rpmB/L28 interacts with 23S rRNA and crosslinks to L9. L15 and L17 stimulate the interactions of rpmB/L28 with 23S rRNA. rpmB/L28 is phosphorylated at Thr8. rpmB/L28 is labeled by the macrolides carbomycin A, niddamycin and tylosin, which inhibit ribosomal activity.

References

Maguire, B A, and D G Wild. Molecular Microbiology. 1997, 23(2): 237-45.Sk□ld, S E. Biochimie 1981, 63(1): 53-60.Walleczek, J et al. The Journal of biological chemistry 1989, 264(7): 4231-7.Herold, M, and K H Nierhaus. The Journal of biological chemistry 1987, 262(18): 8826-33.Soung, George Y et al. Journal of proteome research 2009, 8(7): 3390-402.Tejedor, F, and J P Ballesta. Biochemistry 1985, 24 (2): 467-72.

Images

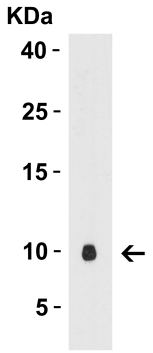


Figure 1 WB Validation of rpmB/L28 in E. coli
Loading: 15 µg of lysate Antibodies: rpmB/L28 ASC12239, 0.5 µg/mL , 1 h incubation at RT in 15% NFDM/TBST. Secondary: Goat Anti-Rabbit IgG HRP conjugate at 1:10000 dilution.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.