Agrisera
Part of Olink® Group

This product is **for research use only** (not for diagnostic or therapeutic use) **contact: support@agrisera.com**

Agrisera AB | Box 57 | SE-91121 Vännäs | Sweden | +46 (0)935 33 000 | www.agrisera.com

Product no AS11 1738

Anti-RPL1 | 50S ribosomal protein L1

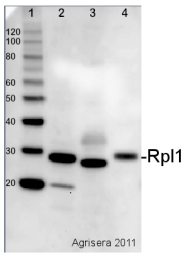
Product information

Immunogen	KLH-conjugated synthetic peptide derived from all known cyanobacterial Rpl1 sequences including *Synechocystis* sp. 6803, P36236
Host	Rabbit
Clonality	Polyclonal
Purity	Serum
Format	Lyophilized
Quantity	50 µl
Reconstitution	For reconstitution add 50 µl of sterile water
Storage	Store lyophilized/reconstituted at -20°C; once reconstituted make aliquots to avoid repeated freeze-thaw cycles. Please remember to spin the tubes briefly prior to opening them to avoid any losses that might occur from material adhering to the cap or sides of the tube.

Application information

Recommended dilution	1 : 2000 (WB)
Expected | apparent MW	25 kDa
Confirmed reactivity	*Anabaena* sp., *Nostoc* sp., *Synechococcus* sp. 7942, *Synechocystis* sp. 6803
Predicted reactivity	Cyanobacteria
Not reactive in	*E.coli*
Selected references	Brenes-Álvarez et al. (2024). R-DeeP/TripepSVM identifies the RNA-binding OB-fold-like protein PatR as regulator of heterocyst patterning. Nucleic Acids Res. 2024 Dec 19:gkae1247. doi: 10.1093/nar/gkae1247. Linhartová et al. (2014). Accumulation of the Type IV prepilin triggers degradation of SecY and YidC and inhibits synthesis of Photosystem II proteins in the cyanobacterium Synechocystis PCC 6803. Mol Microbiol. 2014 Jul 24. doi: 10.1111/mmi.12730.

application example



5 µg of total protein from *Anabaena* sp. **(1)**, *Synechococcus* sp. 7942 **(2)**, *Synechocystis* sp. 6803 **(3)** extracted with Agrisera protein extraction buffer PEB were separated on 4-12**% NuPAGE** and blotted 1h to **PVDF**. Blots were blocked with ECL Advance Blocking Reagent for 1h at room temperature (RT) with agitation. Blot was incubated in the primary antibody at a dilution of 1: 10 000 for 1h at RT with agitation. The antibody solution was decanted and the blot was rinsed briefly twice, then washed once for 15 min and 3 times for 5 min in TBS-T at RT with agitation. Blot was incubated in secondary antibody (anti-rabbit IgG horse radish peroxidase conjugated, from Agrisera, AS09 602) diluted to 1:50 000 in for 1h at RT with agitation. The blot was washed as above and developed for 5 min with ECL Advance according to the manufacturers instructions (GE Healthcare). Exposure time was 180 seconds.