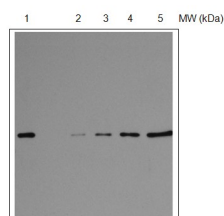


Product no **AS08 309****Anti-RPS1 | 30S ribosomal protein S1****Product information**

Immunogen	Recombinant S1 protein of <i>Synechocystis</i> sp. strain PCC6803; one Flag-tag sequence (N-DYKDDDDK-C) was added to the C-terminus of the protein P73530
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 : 1000 (WB)
Expected apparent MW	35 kDa
Confirmed reactivity	<i>Synechocystis</i> sp. strain PCC6803, <i>Cylindrospermopsis raciborskii</i> CS-505
Predicted reactivity	Algae, <i>Arthrospira platensis</i> , Cyanobacteria Species of your interest not listed? Contact us
Not reactive in	<i>Escherichia coli</i>
Selected references	Carrieri et al. (2021) Overexpression of NblA decreases phycobilisome content and enhances photosynthetic growth of the cyanobacterium <i>Synechococcus elongatus</i> PCC 7942, <i>Algal Research</i> , Volume 60, 2021, 102510, ISSN 2211-9264, https://doi.org/10.1016/j.algal.2021.102510 . Zav?el et al. (2019). Quantitative insights into the cyanobacterial cell economy. <i>Elife</i> . 2019 Feb 4;8. pii: e42508. doi: 10.7554/eLife.42508. Koskinen et al. (2018). Inactivation of group 2 ? factors upregulates production of transcription and translation machineries in the cyanobacterium <i>Synechocystis</i> sp. PCC 6803. <i>Sci Rep</i> . 2018 Jul 9;8(1):10305. doi: 10.1038/s41598-018-28736-9. Kurkela et al. (2017). Acclimation to High CO ₂ Requires the ? Subunit of the RNA Polymerase in <i>Synechocystis</i> . <i>Plant Physiol</i> . 2017 May;174(1):172-184. doi: 10.1104/pp.16.01953. Epub 2017 Mar 28. Plominsky et al. (2013). Dinitrogen Fixation Is Restricted to the Terminal Heterocysts in the Invasive Cyanobacterium <i>Cylindrospermopsis raciborskii</i> CS-505. <i>PLOS ONE</i> , Open Access.

Application example

From left to right: *Synechocystis*, total cell extract; 10 µg/line (1); recombinant protein 2.5 ng (2); recombinant protein 5 ng (3); recombinant protein 10 ng (4); recombinant protein 20 ng (5)
Detection: chemiluminescence