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Product no AS13 2652

Anti-EF-G1 | elongation factor G1

Product information

Immunogen Recombinant EF-G1 protein from *Synechocystis* sp. PCC6803, <u>P28371</u>, Cyanobase: slr1463

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 1:4000 (WB)

Expected | apparent

76.7 kDa

Confirmed reactivity Streptococcus pneumoniae, Synechocystis sp. PCC6803

Predicted reactivity Cyanobacteria, Nannochloropsis gaditana

Species of your interest not listed? Contact us

Not reactive in No confirmed exceptions from predicted reactivity are currently known

Selected references Bárria et al. (2019). Pneumococcal RNase R globally impacts protein synthesis by regulating the amount of actively

translating ribosomes. RNA Biol. 2019 Feb;16(2):211-219. doi: 10.1080/15476286.2018.1564616.

Application example



Left panel: from 0.15 to 5.17 µg of total protein from *Synechocystis* PCC6803 extracted with SDS-sample buffer and recombinant EF-G1 **(right panel)** were separated on 10 % SDS-PAGE and blotted 1h to **PVDF**. Blots were blocked with 5 % milk powder in TBS-T for 30 min. at room temperature (RT) with agitation. Blot was incubated in the primary antibody at a dilution of 1: 4 000 for 1h at RT with agitation. The antibody solution was decanted and the blot was rinsed briefly twice, then washed 3 times for 7 min in TBS-T at RT with agitation. Blot was incubated in secondary antibody (anti-rabbit IgG horse radish peroxidase conjugated) diluted to 1:10 000 in for 1h at RT with agitation. The blot was washed as above and developed for 5 min with ECL according to the manufacturer's instructions. Exposure time was 2 minutes.

Courtesy of Yichen Zhang, Department of Biochemistry and Molecular Biology, University of Massachusetts, USA