

Anti-RNA polymerase sigma factor antibody

Catalog: PHY5207A

Product Information

Description:	Rabbit polyclonal antibody
Background:	Sigma factors are initiation factors that promote the attachment of RNA polymerase to specific initiation sites and are then released.
Synonyms:	sigD
Immunogen:	KLH-conjugated synthetic peptide (15 aa from Central section) derived from <i>Synechocystis sp.</i> PCC 6803 sigD (sll2012).
Form:	Lyophilized
Quantity:	150 µg
Purification:	Immunogen affinity purified
Reconstitution:	Reconstitution with 150 µl of 0.01 M sterile PBS. "Note: please spin tube briefly prior to opening it to avoid any losses that might occur from lyophilized material adhering to the cap or sides of the tube".
Stability & Storage:	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70°C as supplied. 6 months, -20 to -70°C under sterile conditions after reconstitution. 1 month, 2 to 8°C under sterile conditions after reconstitution.
Shipping:	The product is shipped at 4°C. Upon receipt, store it immediately at the temperature recommended above.

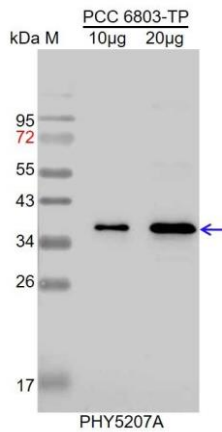
Application Information

Recommended Dilution:	Western Blot (1:1000-1:4000) Note: Optimal dilutions/concentrations should be determined by the end user.
Expected / apparent MW:	36 kDa
Confirmed Reactivity:	<i>Synechocystis sp.</i> PCC 6803
Predicted Reactivity:	Among species analyzed, the sequence of the synthetic peptide used for immunization is 80-99% homologues with the sequence in <i>Synechococcus elongatus</i> PCC 7942. For homologues with other species especially algae, please contact

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tech support at tech@phytoab.com.

Application Example



PCC 6803-TP: 10 µg and 20 µg total protein from *Synechocystis sp.* PCC 6803, respectively.

Electrophoresis: 15% SDS-PAGE

Transfer: blotting to NC (nitrocellulose) membrane for 1 h.

Blocking: 5% skim milk at RT or 4°C for 1 h.

Primary antibody: 1:4000 dilution overnight at 4°C.

Secondary antibody: 1:10000 dilution using Goat Anti-Rabbit IgG H&L(HRP) (Cat# PHY6000).

Detection: using chemiluminescence substrate and image were captured with CCD camera.

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