



# Anti PhaA

## Background

PhaA (slr1993) is an acetyl coenzyme A acetyltransferase (thiolase) [EC 2.3.1.9] in a unicellular cyanobacterium *Synechocystis* 6803. PhaA catalyzes a reaction from two acetyl-CoA to acetoacetyl-CoA and CoA. Transcription levels of phaA of *Synechocystis* sp. PCC 6803 increases by nitrogen depletion.

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Product type	Primary Antibody
Immunogen	Synthetic peptide (CLHDGLTDSTNGEGMGEQ)
Raised in	Rabbit
Source	Serum
Purification	Immunogen affinity purified
Buffer	Phosphate Buffered Saline (PBS) with 50 % glycerol and ProClin 300 (15 ppm)
Concentration	3.36 mg/mL
Volume	100 uL
Label	Unlabeled
Specificity	<i>Synechocystis</i> sp. PCC 6803 PhaA
Storage	Store at -20 °C
Recommended Dilutions	Western blotting (1 : 4000) Other applications have not been tested or not reactive. Optimal dilutions/concentrations should be determined by the end user.

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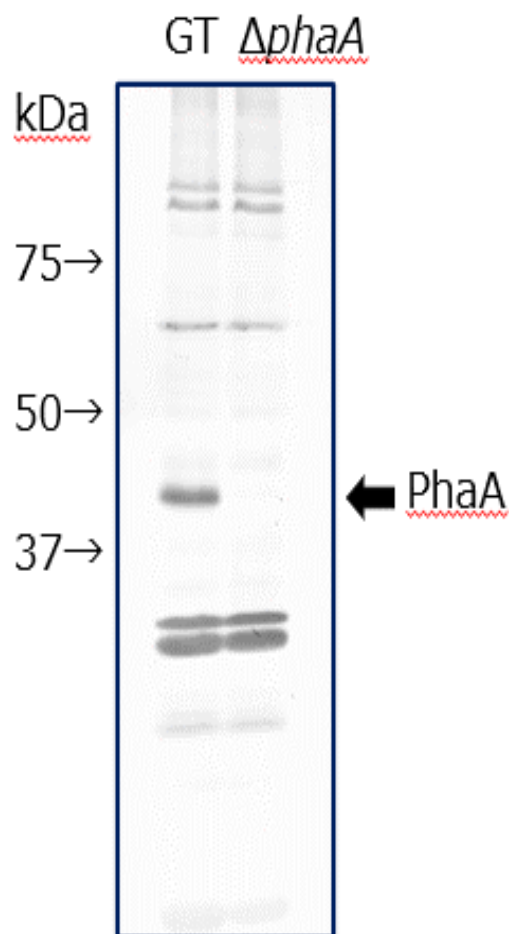


Fig 13 Fig 13. Western blot analysis of PhaA in glucose-tolerant strain of *Synechocystis* sp. PCC 6803 (GT) and in *phaA* deletion mutant ( $\Delta$ *phaA*)  
 Predicted molecular weight : 43.3 kDa  
 Primary antibody : anti PhaA antibody at 1:4000 dilution  
 Secondary antibody : Alkaline phosphatase conjugated anti rabbit IgG antibody at 1:20000 dilution

For research use only, Not for diagnostic use.



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