



## Anti PfkA\_sll1196

### Background

PfkA (sll1196) is one of two ATP-dependent phosphofructokinases in a unicellular cyanobacterium *Synechocystis* sp. PCC 6803 [EC 2.7.1.11, 2.7.1.90]. PfkA catalyzes a reaction from  $\beta$ -D-fructose-6-P and ATP to  $\beta$ -D-fructose-1,6-bisphosphate and ADP. Phosphofructokinase is a key enzyme of glycolysis, and whose gene expression is controlled by an RNA polymerase SigE in *Synechocystis* sp. PCC 6803.

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Product type	Primary Antibody
Immunogen	Synthetic peptide (CFAFPMADGTVRDRTEDII)
Raised in	Rabbit
Source	Serum
Purification	Immunogen affinity purified
Buffer	Phosphate Buffered Saline (PBS) with 50 % glycerol and ProClin 300 (15 ppm)
Concentration	1.38 mg/mL
Volume	100 $\mu$ L
Label	Unlabeled
Specificity	<i>Synechocystis</i> sp. PCC 6803 PfkA
Storage	Store at -20 $^{\circ}$ 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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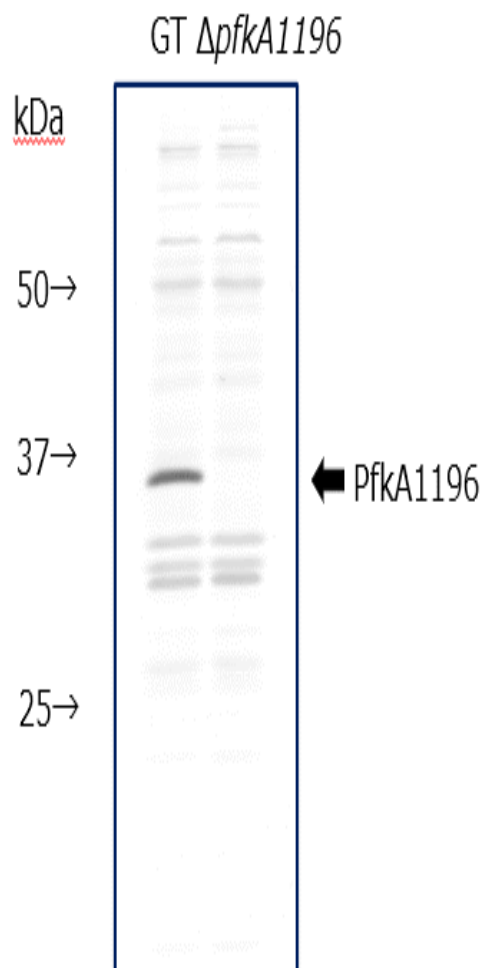


Fig 17. Western blot analysis of PfkA1196 in glucose-tolerant strain of *Synechocystis* sp. PCC 6803 (GT) and in *pfkA1196* deletion mutant ( $\Delta pfkA1196$ )  
 Predicted molecular weight : 38.6 kDa  
 Primary antibody : anti PfkA antibody at 1:4000 dilution  
 Secondary antibody : Alkaline phosphatase conjugated anti rabbit IgG antibody at 1:20000 dilution

For research use only, Not for diagnostic use.



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