

## Product information

**Antibody name:** anti-HhoB

**Product number:** P08S-2

**Product description:** polyclonal antibody;  
contains 0.01% NaN<sub>3</sub>

**Origin:** rabbit

**Immunogen:** synthetic peptide (a. a. 74 – 88) specific  
for *Synechocystis* sp. PCC 6803 HhoB (SII1679;  
Cyanobase)

**Immunodetection:** Western blot (1 : 2.000 for ECL)

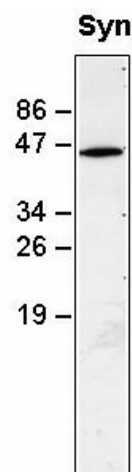
**Immunocrossreaction:** *Synechocystis* sp. PCC  
6803; possibly crossreacts with HhoB from *Anabaena*  
sp. PCC7120 and *Crocospaera watsonii*.

**Storage:** short term +4 °C, long term -20 °C. Repeated  
freezing and thawing is not recommended.

**Preimmune serum** (product number P08S-PI): can  
be ordered with anti-HhoB

**Quantity:** 300 µl

**Protein description:** HhoB belongs to a serine-type Deg peptidase family,  
widespread among bacteria and eukaryotes. This family includes three related  
members HhoB (DegS), HhoA (DegQ) and HtrA (DegP). It had been shown that Deg  
proteases possess an overlapping functions in cyanobacteria and are needed for  
photoprotection of photosystem II. Additionally it was demonstrated that Deg  
proteases do not play essential role in D1 turnover and photosystem II repair *in vivo*  
(Barker et al., 2006, JBC 281, 30347 – 30355).



Western blot analysis of  
*Synechocystis* sp. PCC 6803  
membrane proteins with anti-  
HhoB

*For research purposes only*