

## Product information

**Antibody name:** anti-HhoA

**Product number:** P07S-2

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

**Origin:** rabbit

**Immunogen:** synthetic peptide (a. a. 120 – 134)  
specific for *Synechocystis* sp. PCC 6803 HhoA  
(SII1427; Cyanobase)

**Immunodetection:** immunoblot (1 : 2.000 for ECL)

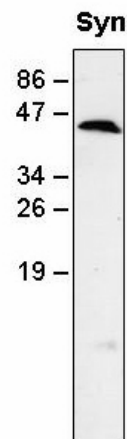
**Immunocrossreaction:** *Synechocystis* sp. PCC 6803

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

**Preimmune serum** (product number P07S-PI): can  
be ordered with anti-HhoA

**Quantity:** 300 µl

**Protein description:** HhoA belongs to a serine-type Deg peptidase family, widespread among bacteria and eukaryotes. This family includes three related members HhoA (DegQ), HtrA (DegP) and HhoB (DegS). HhoA is a highly hydrophilic protein and probably resides in a soluble compartment. 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).



Immunoblot analysis of  
*Synechocystis* sp. PCC 6803  
membrane proteins with anti-  
HhoA

*For research purposes only*