

Product no **AS10 1615**

## HliD | High light inducible protein

### Product information

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|-------------------------------|---|
| <b>Immunogen</b>              | Synthetic peptide (amino acids 15-30) derived from <i>Synechocystis</i> sp. PCC 6803 HliD protein <a href="#">NP_440269.1</a> |
| <b>Host</b>                   | Rabbit  |
| <b>Clonality</b>              | Polyclonal  |
| <b>Purity</b>                 | Serum   |
| <b>Format</b>                 | Liquid  |
| <b>Quantity</b>               | 100 µl  |
| <b>Storage</b>                | Store short-term 4°C and long term at -20°C. Repeated freezing and thawing is not recommended.                                |
| <b>Additional information</b> | Pre-immune serum is available to this product upon request  |

### Application information

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|-------------------------------|--|
| <b>Recommended dilution</b>   | 1 : 2000 (WB)  |
| <b>Expected   apparent MW</b> | 5 kDa  |
| <b>Confirmed reactivity</b>   | <i>Synechocystis</i> sp. PCC 6803  |
| <b>Predicted reactivity</b>   | According to sequence analysis antibody may react with homologous Hli protein(-s) from <i>Anabaena</i> , <i>Thermosynechococcus</i> , <i>Gloeobacter</i> , <i>Prochlorococcus</i> , <i>Synechococcus</i> and <i>Crocospaera</i> .  |
| <b>Not reactive in</b>        | No confirmed exceptions from predicted reactivity are currently known  |
| <b>Selected references</b>    | <a href="#">Proctor et al. (2020)</a> Xanthophyll carotenoids stabilise the association of cyanobacterial chlorophyll synthase with the LHC-like protein HliD. <i>Biochem J.</i> 2020 Oct 30;477(20):4021-4036. doi: 10.1042/BCJ20200561. PMID: 32990304.<br><a href="#">Chidgey et al. (2014)</a> . A cyanobacterial chlorophyll synthase-HliD complex associates with the Ycf39 protein and the YidC/Alb3 insertase. <i>Plant Cell.</i> 2014 Mar;26(3):1267-79. doi: 10.1105/tpc.114.124495. |