Product information

**Immunogen**
KLH-conjugated synthetic peptide derived from LHCSR3 protein sequence from *Chlamydomonas reinhardtii*, UniProt: P0DO18

**Host**
Rabbit

**Clonality**
Polyclonal

**Purity**
Serum

**Format**
Lyophilized

**Quantity**
50 µl

**Reconstitution**
For reconstitution add 50 µl of sterile water

**Storage**
Store lyophilized/reconstituted at -20°C; once reconstituted make aliquots to avoid repeated freeze-thaw cycles. Please remember to spin the tubes briefly prior to opening them to avoid any losses that might occur from material adhering to the cap or sides of the tube.

Application information

**Recommended dilution**
1 : 1000 (WB)

**Expected | apparent MW**
28 kDa

**Confirmed reactivity**
*Bryopsis corticulans, Chlamydomonas reinhardtii, Nannochloropsis gaditana*

**Predicted reactivity**
*Phaeodactylum tricornutum*

**Not reactive in**
*Arabidopsis thaliana, Lobosphaera incisa, Marchantia polymorpha, Neochloris oleoabundans, Physcomitrella patens*

**Additional information**
This antibody is also recognizing recombinant LHCSR1 overexpressed in *E.coli* as described in Perozzi et al. (2020).

**Selected references**

Application example

Following samples: 0.1 µg of LhCSR3 IB + HisTag (1), 0.05 µg of LhCSR3 IB + HisTag (2), 5 µg of *Chlamydomonas reinhardtii* wild type (CC124) total protein extract of photoautotrophically grown cells in light intensity: 60 µE (3), 5 µg of *Chlamydomonas reinhardtii* wild type (CC124) total protein extract of photoautotrophically grown cells in high light intensity: 500 µE (4) were separated on 15% Tris-Glycine SDS PAGE and blotted overnight to PVDF using tank transfer. Blots were blocked with 5% BSA/milk for 1h at room temperature (RT) with agitation. Blot was incubated in the primary antibody at a dilution of 1: 1 000 for 1h at RT with agitation. The antibody solution was decanted and the blot was rinsed briefly twice, then washed once for 15 min and 3 times for 5 min in PBS-T at RT with agitation. Blot was incubated in secondary antibody (anti-rabbit IgG horse
radish peroxidase conjugated, from Agrisera, AS09 602) diluted to 1:10 000 for 1h at RT with agitation. The blot was washed as above and developed for 5 min with ECL according to the manufacturer’s instructions.

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