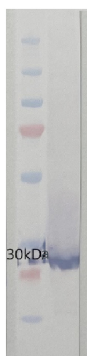


Product no **AS21 4689****Anti-PsbO | Photosystem II manganese-stabilizing polypeptide (algal)****Product information**

<b>Immunogen</b>	KLH-conjugated peptide derived from <i>Chlamydomonas reinhardtii</i> PsbO protein sequence, UniProt: <a href="#">P12853</a>
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Purity</b>	Antigen affinity purified serum, in PBS pH 7.4
<b>Format</b>	Lyophilized
<b>Quantity</b>	50 µg
<b>Reconstitution</b>	For reconstitution, add 50 µl, of sterile or deionized water.
<b>Storage</b>	Store lyophilized/reconstituted at -20°C; once reconstituted make aliquots to avoid repeated freeze-thaw cycles. Please, remember to spin tubes briefly prior to opening them to avoid any losses that might occur from lyophilized material adhering to the cap or sides of the tubes.

**Application information**

<b>Recommended dilution</b>	1 : 1000 (WB)
<b>Expected   apparent MW</b>	29.9-30.5 kDa   kDa (due to N-terminal or C-terminal processing)
<b>Confirmed reactivity</b>	<i>Chlamydomonas reinhardtii</i>
<b>Predicted reactivity</b>	<i>Halomicronema hongdechloris</i> , <i>Synechocystis</i> sp., <i>Synechococcus elongatus</i> Species of your interest not listed? <a href="#">Contact us</a>
<b>Not reactive in</b>	<i>Acaryochloris marina</i>
<b>Selected references</b>	To be added when available, antibody available in October 2023.



10 µg/well of total protein extracted from *Chlamydomonas reinhardtii*, total cell extract were denatured with Invitrogen LDS sample buffer (4X) at 70°C/5 min. and separated on Invitrogen NuPage Bis-Tris 4-12% SDS-PAGE 45 min and blotted for 1 h to Invitrogen PVDF (pore size of 0.45 µm), using: wet transfer. Blot was blocked with 5% milk in TBS-T for: 1h/RT with agitation, and incubated in the primary antibody at a dilution of 1: 1000 for 1h/RT with TBS-T Blocking. The antibody solution was decanted, and the blot was rinsed briefly twice, then washed once for 10 min and 2 times for 5 min in TBS-T at RT with agitation. Blot was incubated in matching secondary antibody (anti-rabbit IgG ALP conjugated, [AS09 607](#) lot 2105) diluted to 1: 5 000 in TBS-T Blocking for 0,5h/RT with agitation. The blot was washed as above and developed with Agrisera [AS19 BCIP-NBT](#) reagent lot 03068231 for 3 minutes.