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Product no AS06 143

PsaH | PSI-H subunit of photosystem I, Chlamydomonas

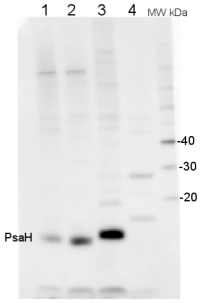
Product information

Immunogen	Recombinant PsaH protein from *Chlamydomonas reinhardtii* P13352
Host	Rabbit
Clonality	Polyclonal
Purity	Serum
Format	Lyophilized
Quantity	200 µl
Reconstitution	For reconstitution add 200 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 : 10 000 (WB)
Expected | apparent MW	10 | 10 for *Chlamydomonas reinhardtii*
Confirmed reactivity	*Arabidopsis thaliana* (weak), *Chlamydomonas reinhardtii*, *Hordeum vulgare*
Predicted reactivity	Species of your interest not listed? Contact us
Not reactive in	*Synechococcus* sp. PCC 7942
Selected references	Nama et al. (2018). Non-photochemical quenching-dependent acclimation and thylakoid organization of Chlamydomonas reinhardtii to high light stress. Photosynth Res. 2018 Jul 7. doi: 10.1007/s11120-018-0551-7. Winck (2011). Nuclear proteomics and transcription factor profiling. Dissertation, University of Posdam.

Application example



2 µg of **total leaf protein** of *Arabidopsis thaliana* **(1)** and *Hordeum vulgare* **(2)** and **total cellular protein** of *Chlamydomonas reinhardtii* **(3)** and *Synechococcus PCC 7942* **(4)** isolated with Agrisera Protein Extraction Buffer (**AS08 300**), were separated on **4-12% Nupage Bis-Tris** gels in in MES running buffer (Invitrogen) at 200V for 35 minutes. Proteins were transferred for 80 minutes at 30V to a **PVDF** membrane pre-wetted in methanol and equilibrated in 1X transfer buffer. Blots were blocked immediately following transfer in 2% blocking reagent in 20 mM Tris, 137 mM sodium chloride pH 7.6 with 0.1% (v/v) Tween-20 (TBS-T) and probed with **anti-PsaH** (AS06 143, **1:10000**) and **secondary HRP-conjugated** goat anti-rabbit antibody (**1:50 000**) for 1 hr in TBS-T containing 2% blocking reagent. Antibody incubations were followed by **washings in TBS-T** (15, +5, +5, +5 min). All steps were performed **at RT with agitation**. Signals was detected after 3 s using **chemiluminescent** detection reagent (GE Healthcare) according to the manufacturers instructions and a CCD imager (FluorSMax, Bio-Rad).