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**Product no AS13 2654**

# Anti-PSA2 | Photosystem I assembly factor 2

## Product information

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|---|---|
| **Immunogen** | recombinant protein corresponding to amino acids 87 to 186 of *Arabidopsis thaliana* PSA2, UniProt:O64750, TAIR: AT2G34860 |
| **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. |
| **Additional information** | PSA2 | Photosystem I assembly factor 2 |

## Application information

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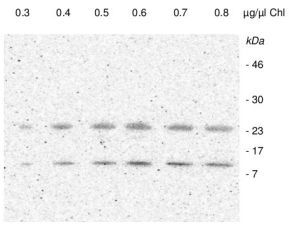
| **Recommended dilution** | 1 : 1000 (WB) |
| **Expected \| apparent MW** | 20 kDa \| 10 kDa (processed form) |
| **Confirmed reactivity** | *Arabidopsis thaliana* |
| **Predicted reactivity** | *Brassica rapa*<br>Species of your interest not listed? Contact us |
| **Not reactive in** | No confirmed exceptions from predicted reactivity are currently known |
| **Selected references** | Chotewutmontri and Barkan (2024). Localization of proteins involved in the biogenesis and repair of the photosynthetic apparatus to thylakoid subdomains in Arabidopsis. Plant Direct. 2024 Nov 13;8(11):e70008. doi: 10.1002/pld3.70008. Fristedt et al. (2014). A Thylakoid Membrane Protein Harboring a DnaJ-type Zinc Finger Domain is Required for Photosystem I Accumulation in Plants. J Biol Chem. 2014 Sep 16. pii: jbc.M114.587758. |




Respective amounts of a leaf total cell extract from *Arabidopsis thaliana* loaded on total chlorophyll µg/µl were separated on **15 % SDS-PAGE** and blotted 1h to **PVDF**. Blots were blocked with 10 % milk for 1h at room temperature (RT) with agitation. Blot was incubated in the primary antibody at a dilution of 1: 1 000 over night at 4°C 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 TBS-T at RT with agitation. Blot was incubated in secondary antibody (anti-rabbit IgG horse radish peroxidase conjugated) diluted to 1:10 000 in for 1h at RT with agitation. The blot was washed as above and developed for 5 min with ECL according to the manufacturers instructions. Exposure time was 60 seconds.

Courtesty of Dr. Rikard Fristedt, Biophysics of Photosynthesis, Dep. Physics and Astronomy, Faculty of Sciences. VU University of Amsterdam, The Netherlands