

Agrisera

This product is for research use only (not for diagnostic or therapeutic use)

contact: support@agrisera.com

Agrisera AB | Box 57 | SE-91121 Vännäs | Sweden | +46 (0)935 33 000 | www.agrisera.com

Product no **AS06 104**

PsaF | PSI-F subunit of photosystem I

Product information

Immunogen	KLH-conjugated synthetic peptide derived from the PsaF protein sequence of <i>Arabidopsis thaliana</i> (At1g31330). This peptide sequence is not completely conserved in mono- and dicots.
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 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

Recommended dilution	1 : 1000 (WB)
Expected apparent MW	24 kDa 17 kDa for <i>Arabidopsis thaliana</i>
Confirmed reactivity	<i>Arabidopsis thaliana</i> , <i>Briopsis corticulans</i> , <i>Hordeum vulgare</i> (very weak), <i>Nicotiana tabaccum</i> , <i>Oryza sativa</i> , <i>Spinacia oleracea</i>
Predicted reactivity	<i>Catalpa bungei</i> , <i>Micromonas sp.</i> , <i>Populus trichocarpa</i> , <i>Physcomitrella patens</i> , <i>Ricinus communis</i> Species of your interest not listed? Contact us
Not reactive in	<i>Chlamydomonas reinhardtii</i> , <i>Synechococcus</i> PCC 7942
Selected references	Schmid et al. (2018) . PUMPKIN, the sole Plastid UMP Kinase, Associates with Group II Introns and Alters Their Metabolism. <i>Plant Physiol.</i> 2018 Nov 8. pii: pp.00687.2018. doi: 10.1104/pp.18.00687. Patil et al. (2018) . FZL is primarily localized to the inner chloroplast membrane however influences thylakoid maintenance. <i>Plant Mol Biol.</i> 2018 Jul;97(4-5):421-433. doi: 10.1007/s11103-018-0748-3. Myouga et al. (2018) . Stable accumulation of photosystem II requires ONE-HELIX PROTEIN1 (OHP1) of the light harvesting-like family. <i>Plant Physiol.</i> 2018 Feb 1. pii: pp.01782.2017. doi: 10.1104/pp.17.01782. Kanazawa et al. (2017) . Chloroplast ATP Synthase Modulation of the Thylakoid Proton Motive Force: Implications for Photosystem I and Photosystem II Photoprotection. <i>Front Plant Sci.</i> 2017 May 3;8:719. doi: 10.3389/fpls.2017.00719. Qin et al. (2014) . Isolation and characterization of a PSI-LHCI super-complex and its sub-complexes from a siphonaceous marine green alga, <i>Bryopsis Corticulans</i> . <i>Photosynth Res.</i> 2014 Sep 12.

Application example

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