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This product is **for research use only** (not for diagnostic or therapeutic use) **contact: support@agrisera.com**

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Product no AS09 408

Anti-Lhcbm5 | Chlorophyll a-b binding protein of LHCII

Product information

Immunogen	SDS-PAGE purified polypeptide from *Chlamydomonas reinhardtii* LHCII-type II-enriched fractions
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	This antibody cross-reacts with three major LHCII proteins of *Chlamydomonas*, which are slightly smaller than Lhcam5 on SDS-gel. 6M urea SDS-PAGE is one of the best systems that separate Lhcbm5 and the other major LHCII proteins. The dilution of the antibody should be carefully determined to reduce the cross-reactions with other major LHCII proteins, we recommend for this purpose to use the dilution of 1: 10 000- 1: 50 000 This product can be sold containing ProClin in requested.

Application information

Recommended dilution	1 : 5000-1 : 10 000 (WB)
Expected | apparent MW	29 | 30 kDa
Confirmed reactivity	*Chlamydomonas reinhardtii*
Predicted reactivity	*Chlamydomonas reinhardtii*
Additional information	For western blot detection image please refer to the article below
Selected references	Cecchin et al (2021) LPA2 protein is involved in photosystem II assembly in Chlamydomonas reinhardtii. Plant J. 2021 Jul 4. doi: 10.1111/tpj.15405. Epub ahead of print. PMID: 34218480. Cecchin et al (2021) LPA2 protein is involved in photosystem II assembly in Chlamydomonas reinhardtii. Plant J. 2021 Jul 4. doi: 10.1111/tpj.15405. Epub ahead of print. PMID: 34218480. Pinnola (2021). The rise and fall of Light-Harvesting Complex Stress-Related proteins as photoprotection agents during evolution. J Exp Bot. 2019 Oct 24;70(20):5527-5535. doi: 10.1093/jxb/erz317. PMID: 31424076. 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. Jeong et al. (2017). Deletion of the chloroplast LTD protein impedes LHCI import and PSI-LHCI assembly in Chlamydomonas reinhardtii. J Exp Bot. 2017 Dec 30. doi: 10.1093/jxb/erx457.