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

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product **AS09 408**

Lhcbm5 | chlorophyll a-b binding protein of LHCII

product information

background	**Lhcbm5** is one of minor LHCII that associates with PSI in state-2
immunogen	SDS-PAGE purified polypeptide from *Chlamydomonas reinhardtii* LHCII-type II-enriched fractions
antibody format	rabbit polyclonal serum lyophilized
quantity	100 µl, - for reconstitution add 100 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.
tested applications	Western blot (WB)
related products	AS06 117 | anti-Lhcb4 | CP29 (Lhcb4) rabbit antibody AS09 407 | anti-Lhcb5 CP26 rabbit antibody Collection of antibodies to *Chlamydomonas* proteins
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

application information

recommended dilution	1: 5000 with standard ECL (WB)
expected | apparent MW	29 | 30 kDa
confirmed reactivity	*Chlamydomonas reinhardtii*
predicted reactivity	*Chlamydomonas reinhardtii*
not reactive in	n.a.
additional information	for western blot detection image please refer to the article below
selected references	Grewe et al. (2014). Light-Harvesting Complex Protein LHCBM9 Is Critical for Photosystem II Activity and Hydrogen Production in Chlamydomonas reinhardtii. Plant Cell. 2014 Apr 4;26(4):1598-1611.