

Product no **AS06 117****Anti-Lhcb4 | CP29 (Lhcb4) homolog, Chlamydomonas****Product information**

Immunogen	KLH-conjugated synthetic peptide derived from Lhcb4 (CP29, Lhcbm4) protein sequence from <i>Chlamydomonas reinhardtii</i> Q93WD2
Host	Rabbit
Clonality	Polyclonal
Purity	Serum
Format	Lyophilized
Quantity	100 µl
Reconstitution	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 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	29 for <i>Chlamydomonas reinhardtii</i>
Confirmed reactivity	<i>Chlamydomonas reinhardtii</i> , <i>Chlorella vulgaris</i>
Predicted reactivity	<i>Gonium pectorale</i> , <i>Tetraselmis socialis</i> Species of your interest not listed? Contact us
Not reactive in	For Lhcb4 protein detection in higher plants use antibody: AS04 045 Anti-Lhcb4 CP29 chlorophyll a/b binding protein of plant PSII, rabbit antibodies
Selected references	Cecchin et al (2021) LPA2 protein is involved in photosystem II assembly in <i>Chlamydomonas reinhardtii</i> . Plant J. 2021 Jul 4. doi: 10.1111/tpj.15405. Epub ahead of print. PMID: 34218480. Koh et al. (2019). Heterologous synthesis of chlorophyll b in <i>Nannochloropsis salina</i> enhances growth and lipid production by increasing photosynthetic efficiency. Biotechnol Biofuels. 2019 May 14;12:122. doi: 10.1186/s13068-019-1462-3. eCollection 2019. Jeong et al. (2017). Deletion of the chloroplast LTD protein impedes LHCl import and PSI-LHCl assembly in <i>Chlamydomonas reinhardtii</i> . J Exp Bot. 2017 Dec 30. doi: 10.1093/jxb/erx457. Shin et al. (2017). Complementation of a mutation in CpSRP43 causing partial truncation of light-harvesting chlorophyll antenna in <i>Chlorella vulgaris</i> . Sci Rep. 2017 Dec 20;7(1):17929. doi:10.1038/s41598-017-18221-0. Muranaka et al. (2015). TEF30 interacts with photosystem II monomers and is involved in the repair of photodamaged photosystem II in <i>Chlamydomonas reinhardtii</i> . Plant Physiol. 2015 Dec 7. pii: pp.01458.2015.