

product **AS01 010**

Lhcb6 | CP24 chlorophyll a/b-binding protein of plant PSII

product information

background	Lhcb6 is one of the 3 highly conserved minor chlorophyll <i>a/b</i> -binding proteins exclusively associated with Photosystem II in plants and algae. Together with Lhcb4 and Lhcb5, it regulates the energy flow from the outer antenna to the reaction center through the action of the xanthophyll cycle.
immunogen	BSA-conjugated synthetic peptide derived from <i>Arabidopsis thaliana</i> Lhcb6 (<i>At1g15820</i>) protein sequence. This sequence is highly conserved in angiosperms (monocots and dicots) and gymnosperms.
antibody format	rabbit polyclonal, total IgG in PBS pH 7.4, lyophilized
quantity	200 µl - for reconstitution please 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
tested applications	western blot (WB)
additional information	to be added when available

application information

recommended dilution	1 : 2000, detected with standard ECL (WB)
expected apparent MW	23 24 kDa for <i>Arabidopsis thaliana</i>
confirmed reactivity	<i>Arabidopsis thaliana</i> , <i>Hordeum vulgare</i> , <i>Spinacia oleracea</i> , <i>Zea mays</i>
predicted reactivity	angiosperms (monocots and dicots), gymnosperms
not reactive in	no confirmed exceptions from predicted reactivity known in the moment
additional information	to be added when available
selected references	<u>Ganeteg</u> et al. (2001) The properties of the chlorophyll <i>a/b</i> -binding proteins Lhca2 and Lhca3 studies in vivo using antisense inhibition. Plant Physiol 127:150-158 <u>Tanaka</u> & Tanaka (2005) Effects of chlorophyllide <i>a</i> oxygenase in <i>Arabidopsis thaliana</i> . Photosynthesis Res 85: 327-340