Anti-Lhcb1 protein of LHCII antibody

Catalog: PHY3666S

Product Information

Description:	Rabbit polyclonal antibody
Background:	The light-harvesting complex (LHC) functions as a light receptor; it captures and delivers excitation energy to photosystem. Lhcb1, Lhcb2 and Lhcb3 are the major pigment-binding proteins which are encoded by Lhcb1, Lhcb2 and Lhcb3 genes, respectively. Lhcb1 and Lhcb2 are the most abundant proteins in the light harvesting antenna complex.
Synonyms:	Lhcb1
Immunogen:	KLH-conjugated synthetic peptide (15 aa from N terminal section) derived from *Arabidopsis thaliana* LHCB1.1 (AT1G29920), LHCB1.2 (AT1G29910), LHCB1.3 (AT1G29930), LHCB1.4 (AT2G34430) and LHCB1.5 (AT2G34420).
Form:	Lyophilized
Quantity:	150 µg
Purification:	Serum Peptide affinity form antibody available upon request at info@phytoab.com.
Reconstitution:	Reconstitution with 150 µl of sterile water. "Note: please spin tube briefly prior to opening it to avoid any losses that might occur from lyophilized material adhering to the cap or sides of the tube".
Stability & Storage:	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70℃ as supplied. 6 months, -20 to -70℃ under sterile conditions after reconstitution. 1 month, 2 to 8℃ under sterile conditions after reconstitution.
Shipping:	The product is shipped at 4℃. Upon receipt, store it immediately at the temperature recommended above.

Application Information

Recommended Dilution:	Western Blot (1:1000-1:2000) Note: Optimal dilutions/concentrations should be determined by the end user.
Expected / apparent MW:	28 kDa

Predicted Reactivity:

Among species analyzed, the sequence of the synthetic peptide used for immunization is 100% homologues with the sequence in *Brassica napus*, *Solanum tuberosum*, *Brassica rapa*, *Solanum lycopersicum*, *Medicago truncatula*, *Nicotiana tabacum*, *Glycine max*, *Gossypium raimondii*, *Spinacia oleracea*, *Oryza sativa*, *Panicum virgatum*, *Sorghum bicolor*, *Setaria viridis*, *Zea mays*, and 80-99% homologues with the sequence in *Physcomitrium patens*.

The sequence of the synthetic peptide used for immunization is 93% (14/15) homologues with the sequence in LHCB2.1 (AT2G05100), LHCB2.2 (AT2G05070), LHCB2.3 (AT3G27690), and 87% (13/15) homologues with the sequence in LHCB3.1 (AT5G54270).

For more species homologues information, please contact tech support at tech@phytoab.com.