

# Anti-Lhcb3 protein of LHCII antibody

Catalog: PHY3436A

## Product Information

<b>Description:</b>	Rabbit polyclonal antibody
<b>Background:</b>	The light-harvesting complex (LHC) functions as a light receptor; it captures and delivers excitation energy to photosystem. Lhcb3 protein is a component of the main light harvesting chlorophyll a/b-protein complex of Photosystem II (LHC II).
<b>Synonyms:</b>	LHCB3, Lhcb3, LHCB3*1, LIGHT-HARVESTING CHLOROPHYLL B-BINDING PROTEIN 3
<b>Immunogen:</b>	KLH-conjugated synthetic peptide (14 aa from C terminal section) derived from <i>Arabidopsis thaliana</i> LHCB3 (AT5G54270).
<b>Form:</b>	Lyophilized
<b>Quantity:</b>	150 µg
<b>Purification:</b>	Immunogen affinity purified
<b>Reconstitution:</b>	Reconstitution with 150 µl of sterile 1XPBS (PH=7.4). "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".
<b>Stability &amp; Storage:</b>	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70°C as supplied. 6 months, -20 to -70°C under sterile conditions after reconstitution. 1 month, 2 to 8°C under sterile conditions after reconstitution.
<b>Shipping:</b>	The product is shipped at 4°C. Upon receipt, store it immediately at the temperature recommended above.

## Application Information

<b>Recommended Dilution:</b>	Western Blot (1:1000-1:2000) Note: Optimal dilutions/concentrations should be determined by the end user.
<b>Expected / apparent MW:</b>	29 kDa
<b>Predicted Reactivity:</b>	Among species analyzed, the sequence of the synthetic peptide used for immunization is 100% homologues with the sequence in <i>Glycine max</i> , <i>Triticum aestivum</i> , <i>Hordeum vulgare</i> , <i>Brassica napus</i> , <i>Brassica</i>

Research Use Only

*rapa*, *Cucumis sativus*, and 80-99% homologues with the sequence in *Zea mays*, *Setaria viridis*, *Panicum virgatum*, *Sorghum bicolor*, *Spinacia oleracea*, *Vitis vinifera*, *Solanum lycopersicum*, *Solanum tuberosum*, *Populus trichocarpa*, *Gossypium raimondii*, *Nicotiana tabacum*, *Medicago truncatula*, *Oryza sativa*.

For more species homologues information, please contact tech support at [tech@phytoab.com](mailto:tech@phytoab.com).