

Anti-Lhca5 protein of LHCI antibody

Catalog: PHY0116S

Product Information

Description:	Rabbit polyclonal antibody
Background:	The light-harvesting complex (LHC) consists of chlorophylls A and B and the chlorophyll A-B binding protein. Lhca5 is a low abundant chlorophyll a/b-binding protein that has been found to associate with Photosystem I in sub-stoichiometric amounts. Unlike the four main Lhca-types (Lhca1-4) Lhca5 seems to be able to associate with PSI or the LHCI at varying positions.
Synonyms:	Lhca5
Immunogen:	KLH-conjugated synthetic peptide (16 aa from C terminal section) derived from <i>Arabidopsis thaliana</i> Lhca5 (AT1G45474).
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°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.
Shipping:	The product is shipped at 4°C. 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
Confirmed Reactivity:	Coming soon

Research Use Only

Predicted Reactivity:

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

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