

Anti-Lhca6 protein of LHCI antibody

Catalog: PHY2601S

Product Information

Description:	Rabbit polyclonal antibody
Background:	The light-harvesting complex (LHC) functions as a light receptor, it captures and delivers excitation energy to photosystems with which it is closely associated. Lhca6 seems involved in the function of the photosystem I in low light conditions, when other LHCA proteins are less abundant. Required, together with LHCA5, for the formation of a full-size NAD(P)H dehydrogenase-photosystem I supercomplex (NDH-PSI) that triggers cyclic and chlororespiratory electron transport in chloroplast thylakoids, especially under stress conditions.
Synonyms:	Lhca6, LHCA6, LHCA2*1, PHOTOSYSTEM I LIGHT HARVESTING COMPLEX GENE 6
Immunogen:	KLH-conjugated synthetic peptide (16 aa from C terminal section) derived from <i>Arabidopsis thaliana</i> Lhca6 (AT1G19150).
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
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Research Use Only

end user.

Expected / apparent MW:

30 kDa

Confirmed Reactivity:

Coming soon

Predicted Reactivity:

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

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