

Anti-Heat shock 70 kDa protein 6, chloroplastic antibody

Catalog: PHY3702S

Product Information

Description:	Rabbit polyclonal antibody
Background:	70 kDa heat shock proteins (Hsp70s) act as molecular chaperones involved in essential cellular processes such as protein folding and protein transport across membranes. They also play a role in the cell's response to a wide range of stress conditions.
Synonyms:	cpHsc70-1, CHLOROPLAST HEAT SHOCK PROTEIN 70-1, CPHSC70-1, AtHsp70-6, HSP70-6
Immunogen:	KLH-conjugated synthetic peptide (15 aa from Central section) derived from <i>Arabidopsis thaliana</i> cpHsc70-1 (AT4G24280).
Form:	Lyophilized
Quantity:	150 µg
Purification:	Serum Peptide affinity form antibody available upon request at info@phytoab.com .
Reconstitution:	Reconstitution with 150µl 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 &	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
Storage:	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:	77 kDa

Research Use Only

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

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