

Anti-ATP-dependent Clp protease proteolytic subunit 2, mitochondrial antibody

Catalog: PHY2071S

Product Information

Description:	Rabbit polyclonal antibody
Background:	CLPP has essential roles in chloroplast biogenesis and maintenance. CLPP2 is a component of the mitochondrial ATP-dependent Clp protease.
Synonyms:	CLPP2, NCLPP7, NUCLEAR-ENCODED CLP PROTEASE P7
Immunogen:	KLH-conjugated synthetic peptide (16 aa from Central section) derived from <i>Arabidopsis thaliana</i> CLPP2 (AT5G23140).
Form:	Lyophilized
Quantity:	150 µg
Purification:	Serum
Reconstitution:	Peptide affinity form antibody available upon request at info@phytoab.com . 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 (1:1000-1:5000) Note: Optimal dilutions/concentrations should be determined by the end user.
Expected / apparent MW:	26 kDa
Predicted Reactivity:	Among species analyzed, the sequence of the synthetic peptide used for immunization is 100% homologues with the sequence in <i>Solanum tuberosum</i> , <i>Brassica napus</i> , <i>Brassica rapa</i> , and 80-99% homologues

Research Use Only

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

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