

Anti-ATP-dependent Clp protease proteolytic subunit 4, chloroplastic antibody

Catalog: PHY2068A

Product Information

Description:	Rabbit polyclonal antibody
Background:	CLPP4 is one of several nuclear-encoded ClpPs (caseinolytic protease). CLPP4 contains a highly conserved catalytic triad of Ser-type proteases (Ser-His-Asp).
Synonyms:	CLPP4, CLP PROTEASE P4, NCLPP4, NUCLEAR-ENCODED CLP PROTEASE P4
Immunogen:	KLH-conjugated synthetic peptide (16 aa from C terminal section) derived from <i>Arabidopsis thaliana</i> CLPP4 (AT5G45390).
Form:	Lyophilized
Quantity:	150 µg
Purification:	Immunogen affinity purified
Reconstitution:	Reconstitution with 150 µl of 0.01 M sterile PBS. "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:	32 kDa
Confirmed Reactivity:	Coming soon
Predicted Reactivity:	Among species analyzed, the sequence of the synthetic peptide used

Research Use Only

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

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