

Anti-ClpB heat shock protein, N-terminal antibody

Catalog: PHY0148S

Product Information

Description:	Rabbit polyclonal antibody
Background:	HSP101 belongs to the Casein lytic proteinase/heat shock protein 100 (Clp/Hsp100) family. It is involved in refolding of proteins which form aggregates under heat stress. Also known as AtHsp101. AtHsp101 is a cytosolic heat shock protein required for acclimation to high temperature.
Synonyms:	HSP101, ATHSP101, HEAT SHOCK PROTEIN 101, HOT1
Immunogen:	KLH-conjugated synthetic peptide (14 aa from N terminal section) derived from <i>Arabidopsis thaliana</i> HSP101 (AT1G74310).
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:	101 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 napus*, *Brassica rapa*, and 80-99% homologues with the sequence in *Gossypium raimondii*, *Vitis vinifera*, *Populus trichocarpa*, *Medicago truncatula*, *Zea mays*, *Panicum virgatum*, *Triticum aestivum*, *Hordeum vulgare*, *Sorghum bicolor*, *Setaria viridis*, *Oryza sativa Indica Group*, *Oryza sativa Japonica Group*.

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