

Anti-Heat shock protein 90-1 antibody

Catalog: PHY0496S

Product Information

Description:	Rabbit polyclonal antibody
Background:	HSP90-1 (heat shock protein 90-1) is an isoform involved in response to bacterium, arsenic and heat. Hsp90-1 (heat shock protein 90-1) is a chaperone protein that assists other proteins to fold properly, stabilizes proteins against heat stress, and aids in protein degradation.
Synonyms:	HSP90-1, ATHS83, ATHSP90-1, ATHSP90.1, HEAT SHOCK PROTEIN 81-1, HEAT SHOCK PROTEIN 83, HEAT SHOCK PROTEIN 90-1, HEAT SHOCK PROTEIN 90.1, HSP81-1, HSP81.1, HSP83, HSP90.1
Immunogen:	KLH-conjugated synthetic peptide (16 aa from C terminal section) derived from <i>Arabidopsis thaliana</i> HSP90-1 AT5G52640.
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 &	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:	81 kDa

Research Use Only

Predicted Reactivity:

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

The sequence of the synthetic peptide used for immunization is 88% (14 / 16) homologous with the sequence in HSP90.3 (AT5G56010), HSP90.2 (AT5G56030) and HSP90.4 (AT5G56000).

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