

Anti-HSP90.1/2/3/4 antibody

Catalog: PHY1154A

Product Information

Description:	Rabbit polyclonal antibody
Background:	The four Arabidopsis HSP90 proteins (HSP90.1–HSP90.4) constitute the cytoplasmic subfamily. They are molecular chaperones localized in the cytosol, cell wall, plasma membrane, and nucleus, and are essential for protein folding, stabilization, and plant development, immunity, and stress responses.
Synonyms:	HSP90.1/2/3/4, ATHSP90.1/2/3/4, HEAT SHOCK PROTEIN 90.1/2/3/4, HEAT SHOCK PROTEIN 81-1/2/3/4, HEAT SHOCK PROTEIN 81.1/2/3/4, HEAT SHOCK PROTEIN 90.1/2/3/4, HSP81-1/2/3/4, HSP81.1/2/3/4, HSP90.1/2/3/4
Immunogen:	KLH-conjugated synthetic peptide (16 aa from N terminal section) derived from <i>Arabidopsis thaliana</i> HSP90.1 (AT5G52640), HSP90.2 (AT5G56030), HSP90.3 (AT5G56010), HSP90.4 (AT5G56000).
Form:	Lyophilized
Quantity:	150 µg
Purification:	Immunogen affinity purified
Reconstitution:	Reconstitution with 150 µl of sterile 1XPBS (PH=7.4) containing 30% glycerol. "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:	81 kDa

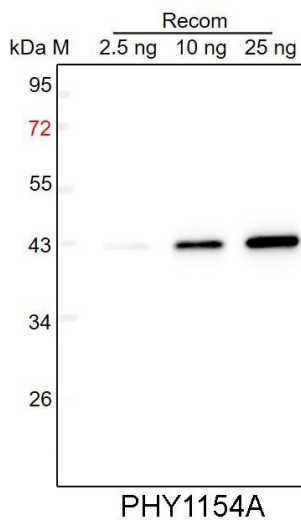
Research Use Only

Predicted Reactivity:

Among species analyzed, the sequence of the synthetic peptide used for immunization is 100% homologues with the sequence in *Brassica napus*, *Brassica rapa*, *Solanum lycopersicum*, *Medicago truncatula*, and 80-99% homologues with the sequence in *Vitis vinifera*, *Cucumis sativus*, *Solanum tuberosum*, *Setaria viridis*, *Glycine max*, *Hordeum vulgare*.

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

Application Example



Recom: 2.5 ng, 10 ng and 25 ng recombinant protein containing the peptide for immunization and having a molecular mass of 43 kDa.

Electrophoresis: 12% SDS-PAGE

Transfer: blotting to NC (nitrocellulose) membrane for 1 h.

Blocking: 5% skim milk at RT or 4°C for 1 h.

Primary antibody: 1:1000 dilution overnight at 4°C.

Secondary antibody: 1:10000 dilution using Goat Anti-Rabbit IgG H&L (HRP) (Cat# PHY6000).

Detection: using chemiluminescence substrate and image were captured with CCD camera.