

Anti-HSP90.2/3 antibody

Catalog: PHY0241A

Product Information

Description:	Rabbit polyclonal antibody
Background:	HSP90 (Heat Shock Protein 90) is involved in response to bacterium, arsenic and heat. It is a chaperone protein that assists other proteins to fold properly, stabilizes proteins against heat stress, and aids in protein degradation. A total of seven members of Hsp90 are present in Arabidopsis: Hsp90-1 (AT5G52640), Hsp90-2 (AT5G56030), Hsp90-3 (AT5G56010), Hsp90-4 (AT5G56000), Hsp90 5 (AT2G04030), Hsp90-6 (AT3G07770), Hsp90-7 (AT4G24190).
Synonyms:	HSP90.2/3, ATHSP90.2/3, HSP81.2/3, HEAT SHOCK PROTEIN 81.2/3, HEAT SHOCK PROTEIN 90.2/3
Immunogen:	KLH-conjugated synthetic peptide (16 aa from central section) of derived from <i>Arabidopsis thaliana</i> HSP90.2/3 (AT5G56030 and AT5G56010).
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

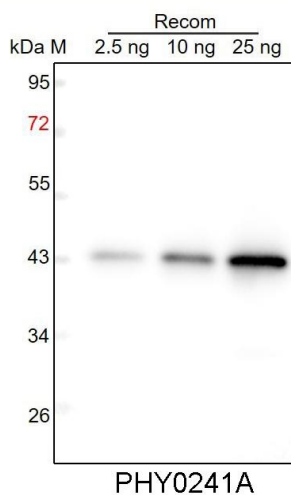
Research Use Only

Predicted Reactivity:

Among species analyzed, the sequence of the synthetic peptide used for immunization is 100% homologues with the sequence in *Zea mays*, *Panicum virgatum*, *Sorghum bicolor*, *Setaria viridis*, and 94% homologues with the sequence in *Nicotiana tabacum*, *Solanum tuberosum*, *Solanum lycopersicum*, *Solanum tuberosum*, *Populus trichocarpa*, *Vitis vinifera*, *Glycine max*, *Brassica rapa*, *Brassica napus*, *Triticum aestivum*, *Hordeum vulgare*, *Oryza sativa*, *Gossypium raimondii*, *Cucumis sativus*, *Medicago truncatula*.

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.