

Anti-Heat shock protein 90.1/2/3/4, N-terminal antibody

Catalog: PHY3072A

Product Information

Description:	Rabbit polyclonal antibody
Background:	ATHSP90.1/2/3/4 is a member of heat shock protein 90 (HSP90) gene family. It interacts with HsfA1d in the cytosol and the nucleus and negatively regulates HsfA1d.
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 (17 aa from N terminal section) derived from <i>Arabidopsis thaliana</i> HSP90.1 (AT5G52640), HSP90.2 (AT5G56030), HSP90.3 (AT5G56010) and HSP90.4 (AT5G56000).
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

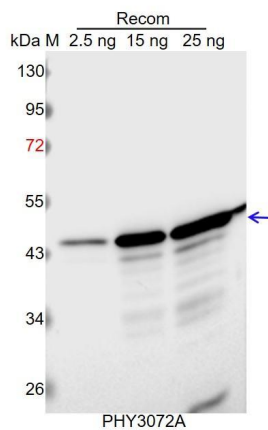
Recommended Dilution:	Western Blot (1:1000-1:2000) Note: Optimal dilutions/concentrations should be determined by the end user.
Expected / apparent MW:	81 kDa
Predicted Reactivity:	Among species analyzed, the sequence of the synthetic peptide used for immunization is 100% homologues with the sequence in <i>Brassica</i>

Research Use Only

rapa, *Brassica napus*, *Physcomitrium patens*, *Vitis vinifera*, *Solanum lycopersicum*, *Medicago truncatula*, and 80-99% homologues with the sequence in *Solanum tuberosum*, *Setaria viridis*, *Glycine max*, *Hordeum vulgare*, *Sorghum bicolor*, *Panicum virgatum*, *Zea mays*, *Triticum aestivum*, *Setaria viridis*.

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

Application Example



Recom: 2.5 ng, 15 ng and 25 ng recombinant protein containing the peptide for immunization and having a molecular mass of 45 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.