

Anti-Heat shock protein 81-2 antibody

Catalog: PHY0503

Product Information

Description:	Mouse monoclonal antibody
Background:	Hsp82 (heat shock protein 82) is a chaperone protein that assists other proteins to fold properly, stabilizes proteins against heat stress, and aids in protein degradation.
Synonyms:	HSP82, HSP81-2
Immunogen:	Recombinant protein HSP90 derived from <i>Oryza sativa</i> (Os09g0482100), which shows more than 90% identity with <i>Arabidopsis thaliana</i> HSP90 proteins (AT5G56030, AT5G56010, AT5G56000, AT5G52640).
Form:	Lyophilized
Quantity:	150 µg
Purification:	Protein A 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

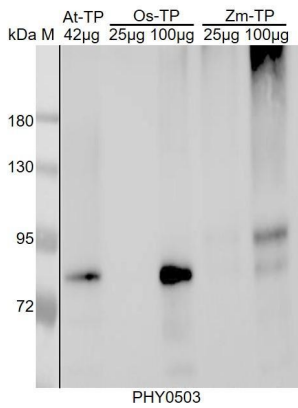
Recommended Dilution:	Western Blot (1:1000-1:2500) Note: Optimal dilutions/concentrations should be determined by the end user.
Expected / apparent MW:	80 kDa
Confirmed Reactivity:	<i>Arabidopsis thaliana</i> , <i>Oryza sativa</i> , <i>Zea mays</i>

Research Use Only

Predicted Reactivity:

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

Application Example



At-TP: 42 µg total protein from *Arabidopsis thaliana*.

Os-TP: 25 µg, 100 µg total protein from *Oryza sativa*, respectively.

Zm-TP: 25 µg, 100 µg total protein from *Zea mays*, respectively.

Electrophoresis: 10% 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: 1:5000 dilution overnight at 4°C.

Secondary antibody: 1:5000 dilution using Goat Anti-Rabbit IgG

H&L(HRP) (Cat# PHY6000).

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