Anti-Luminal binding protein 1/2 antibody

Catalog: PHY1481A

Product Information

Description:	Rabbit polyclonal antibody
Background:	BIP1 and BIP2 are the members of the luminal binding protein BiP involved in polar nuclei fusion during proliferation of endosperm nuclei.
Synonyms:	BIP1/2
Immunogen:	KLH-conjugated synthetic peptide (14 aa from central section) derived from *Arabidopsis thaliana* BIP1 (AT5G28540) and BIP2 (AT5G42020).
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℃ as supplied. 6 months, -20 to -70℃ under sterile conditions after reconstitution. 1 month, 2 to 8℃ under sterile conditions after reconstitution.
Shipping:	The product is shipped at 4℃. Upon receipt, store it immediately at the temperature recommended above.

Application Information

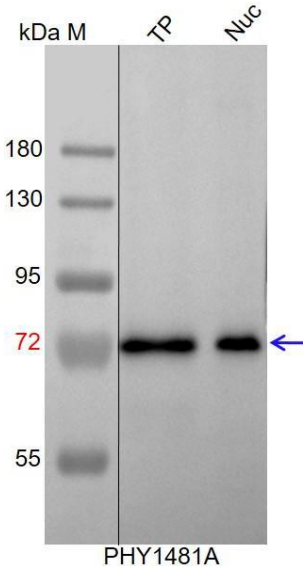
Recommended Dilution:	Western Blot (1:1000-1:2000) Note: Optimal dilutions/concentrations should be determined by the end user.
Expected / apparent MW:	74 / 72 kDa
Confirmed Reactivity:	*Arabidopsis thaliana*
Predicted Reactivity:	Among species analyzed, the sequence of the synthetic peptide used for immunization is 100% homologues with the sequence in *Brassica napus*, *Brassica rapa*, *Gossypium raimondii*, *Vitis vinifera*, *Solanum tuberosum, Solanum lycopersicum,* and 80-99% homologues with the

sequence in *Spinacia oleracea*, *Populus trichocarpa*, *Sorghum bicolor*, *Medicago truncatula*, *Glycine max*, *Nicotiana tabacum*, *Cucumis sativus*, *Setaria viridis*, *Triticum aestivum*, *Hordeum vulgare*, *Oryza sativa Japonica Group*, *Zea mays*, *Panicum virgatum*.

The sequence of the synthetic peptide used for immunization is 92% homologues with the sequence in BIP3 (AT1G09080).

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

Application Example



TP: 30 μg total protein from *Arabidopsis thaliana*.

Nuc:7.5 μgnuclear proteinfrom *Arabidopsis thaliana*.

Electrophoresis: 10% SDS-PAGE

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

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

Primary antibody: 1:2000 dilution overnight at 4℃.

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

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