Anti-bZIP transcription factor 11 antibody

Catalog: PHY1528A

Product Information

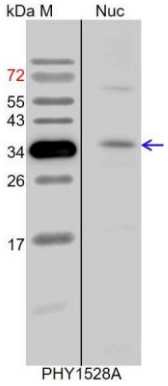
Description:	Rabbit polyclonal antibody
Background:	ZIP11 is a transcription factor that promotes POX1/PRODH1 (AT3G30775) in response to hypoosmolarity stress. And it also regulates the ASN1 (AT3G47340) and POX2/PRODH2, which are involved in amino acid metabolism.
Synonyms:	BZIP11, ARABIDOPSIS THALIANA BASIC LEUCINE-ZIPPER 11, ATB2, ATBZIP11, G-BOX BINDING FACTOR 6, GBF6
Immunogen:	KLH-conjugated synthetic peptide (14 aa from central section) derived from *Arabidopsis thaliana* BZIP11 (AT4G34590).
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:	18 / 34 kDa Apparent MW is also confirmed by Christoph Weiste et al.(Nat Commun., Vol. 5: 1-12, 2014)
Confirmed Reactivity:	*Arabidopsis thaliana*

Predicted Reactivity: Among species analyzed, the sequence of the synthetic peptide used for immunization is 80-99% homologues with the sequence in *Brassica rapa*, *Brassica napus*, *Medicago truncatula*, *Nicotiana tabacum*, *Spinacia oleracea*, *Solanum tuberosum.*
For more species homologues information, please contact tech support at tech@phytoab.com.

Application Example



Nuc: 6 μg nuclear protein from *Arabidopsis thaliana*.
Electrophoresis: 15% 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 IgG H&L(HRP) (Cat# PHY6000).
Detection: using chemiluminescence substrate and image were captured with CCD camera.