Anti-bZIP transcription factor 60 antibody

Catalog: PHY7893A

Product Information

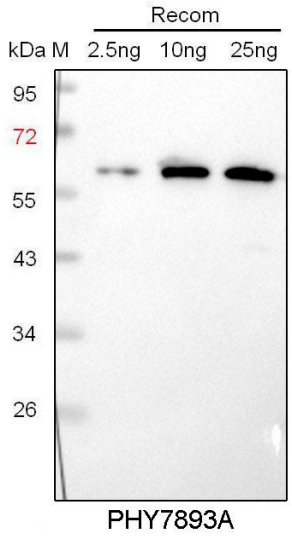
Description:	Rabbit polyclonal antibody
Background:	BZIP60 is a bZIP transcription factor in Arabidopsis thaliana that regulates the unfolded protein response (UPR) during endoplasmic reticulum (ER) stress. It is primarily located on the ER membrane in its inactive form. Under ER stress, it is spliced by IRE1, releasing its active form, which translocates to the nucleus to activate UPR target genes involved in protein folding, plant immunity, and abiotic stress tolerance (e.g., salt, drought, cold).
Synonyms:	BZIP60, ATBZIP60, BASIC REGION/LEUCINE ZIPPER MOTIF 60, BBASIC REGION/LEUCINE ZIPPER MOTIF 60
Immunogen:	KLH-conjugated synthetic peptide (16 aa from N terminal section) derived from *Arabidopsis thaliana* BZIP60 (AT1G42990).
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℃ 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:	33 kDa

Predicted Reactivity: 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 60 kDa.

Electrophoresis: 12% SDS-PAGE

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

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

Primary antibody: 1:1000 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.