

Anti-TRANSCRIPTION FACTOR MYB111 antibody

Catalog: PHY7621A

Product Information

Description:	Rabbit polyclonal antibody
Background:	MYB111 is a member of the R2R3 factor gene family. It is a flavonol-specific transcription activator involved in the regulation of several genes of flavonoid biosynthesis. MYB111 activates the expression of CHS, CHI, F3H and FLS1 as well as controls flavonol biosynthesis primarily in cotyledons and leaves and confers tolerance to UV-B.
Synonyms:	MYB111, ARABIDOPSIS MYB DOMAIN PROTEIN 111, ATMYB111, MYB DOMAIN PROTEIN 111, PFG3, PRODUCTION OF FLAVONOL GLYCOSIDES 3
Immunogen:	KLH-conjugated synthetic peptide (16 aa from central section) derived from <i>Arabidopsis thaliana</i> MYB111 (AT5G49330).
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°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

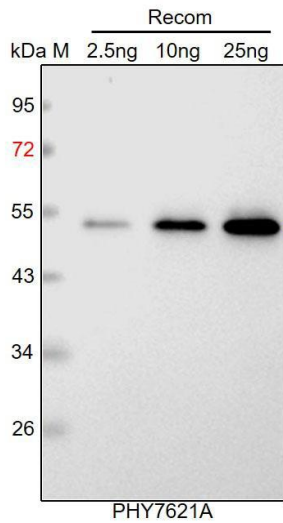
Recommended Dilution:	Western Blot (1:1000-1:2000) Note: Optimal dilutions/concentrations should be determined by the end user.
Expected / apparent MW:	38 kDa

Research Use Only

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 53 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.