

Anti-ELONGATED HYPOCOTYL 5 antibody

Catalog: PHY0748A

Product Information

Description:	Rabbit polyclonal antibody
Background:	HY5 is a basic leucine zipper (bZIP) transcription factor with nuclear localization. It is involved in light-regulated transcriptional activation of G-box-containing promoters. HY5 plays a role in anthocyanin accumulation in far-red light and blue light, but not in red light or in the dark.
Synonyms:	HY5, ELONGATED HYPOCOTYL 5, REVERSAL OF THE DET PHENOTYPE 5, Protein long hypocotyl 5, TED 5
Immunogen:	KLH-conjugated synthetic peptide (15 aa from Central section) derived from <i>Arabidopsis thaliana</i> HY5 (AT5G11260).
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°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

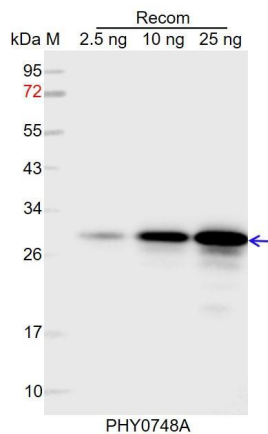
Recommended Dilution:	Western Blot (1:1000-1:2000) Note: Optimal dilutions/concentrations should be determined by the end user.
Expected / apparent MW:	18 kDa
Predicted Reactivity:	Among species analyzed, the sequence of the synthetic peptide used for immunization is 80-99% homologues with the sequence in <i>Brassica napus</i> , <i>Brassica rapa</i> , <i>Vitis vinifera</i> , <i>Gossypium raimondii</i> , <i>Populus</i>

Research Use Only

trichocarpa, Nicotiana tabacum, Solanum tuberosum, Solanum lycopersicum, Triticum aestivum, Hordeum vulgare, Glycine max, Medicago truncatula, Spinacia oleracea, Cucumis sativus.

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 30 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.