

# Anti-Protein long hypocotyl 5 antibody

Catalog: PHY1908

## Product Information

<b>Description:</b>	Mouse monoclonal antibody
<b>Background:</b>	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.
<b>Synonyms:</b>	HY5, ELONGATED HYPOCOTYL 5, REVERSAL OF THE DET PHENOTYPE 5, TED 5
<b>Immunogen:</b>	Recombinant protein of HY5 (1-168 aa ) derived from <i>Arabidopsis thaliana</i> AT5G11260.
<b>Form:</b>	Lyophilized
<b>Quantity:</b>	150 µg
<b>Purification:</b>	Protein A purified
<b>Reconstitution:</b>	Reconstitution with 150µl of 0.01M 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".
<b>Stability &amp; Storage:</b>	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.
<b>Shipping:</b>	The product is shipped at 4°C. Upon receipt, store it immediately at the temperature recommended above.

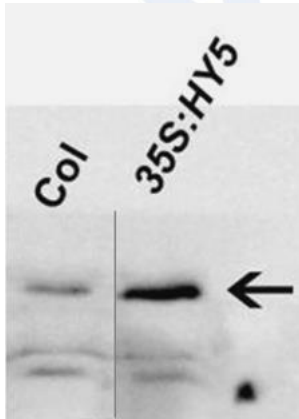
## Application Information

<b>Recommended Dilution:</b>	Western Blot (1:1000-1:2000) Note: Optimal dilutions/concentrations should be determined by the end user.
<b>Expected / apparent MW:</b>	18 kDa
<b>Confirmed Reactivity:</b>	<i>Arabidopsis thaliana</i>
<b>Predicted Reactivity:</b>	For more species homologues information, please contact tech

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support at [tech@phytoab.com](mailto:tech@phytoab.com).

## Application Example



PHY1908

**Electrophoresis:** 15% SDS-Urea-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:** 1:5000 dilution using Goat Anti-Mouse IgG H&L (HRP) (Cat# PHY6006).

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