

# Anti-Phytochrome B antibody

Catalog: PHY1733

## Product Information

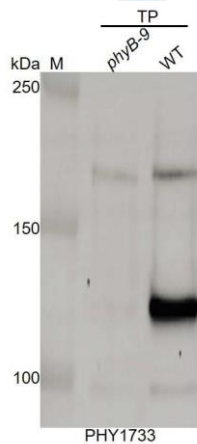
<b>Description:</b>	Mouse monoclonal (Clone: 10P5) antibody
<b>Background:</b>	PHYB is a red/far-red photoreceptor involved in the regulation of de-etiolation. It exists in two inter-convertible forms: Pr and Pfr (active). It is involved in the light-promotion of seed germination and in the shade avoidance response.
<b>Synonyms:</b>	PHYB, HY3, OOP1, OUT OF PHASE 1, PHYTOCHROME B
<b>Immunogen:</b>	Recombinant protein of PHYB (900-1172 aa) derived from <i>Arabidopsis thaliana</i> AT2G18790.
<b>Form:</b>	Lyophilized
<b>Quantity:</b>	150 µg
<b>Purification:</b>	Protein A purified
<b>Reconstitution:</b>	Reconstitution with 150 µl 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>	125 kDa
<b>Confirmed Reactivity:</b>	<i>Arabidopsis thaliana</i>
<b>Predicted Reactivity:</b>	For more species homologues information, please contact tech support at <a href="mailto:tech@phytoab.com">tech@phytoab.com</a> .

Research Use Only

## Application Example



TP-*phyB-9*: 35 µg total protein from *phyB-9* mutant of *Arabidopsis thaliana*.

TP-WT: 35 µg total protein from *Arabidopsis thaliana*.

**Electrophoresis:** 8% 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:** 1:5000 dilution using Goat Anti-Mouse IgG H&L (HRP) (Cat# PHY6006).

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