

Anti-Phytochrome B antibody

Catalog: PHY0750S

Product Information

Description:	Rabbit polyclonal antibody
Background:	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.
Synonyms:	PHYB, HY3, OOP1, OUT OF PHASE 1, PHYTOCHROME B
Immunogen:	KLH-conjugated synthetic peptide of PHYB derived from <i>Arabidopsis thaliana</i> AT2G18790.
Form:	Lyophilized
Quantity:	150 µg
Purification:	Serum Peptide affinity form antibody available upon request at info@phytoab.com .
Reconstitution:	Reconstitution with 150µl of sterile water. "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.
Reference:	Xu Zheng, et al., The Plant Cell, Vol. 25: 115–133, January 2013.

Application Information

Applications:	Western Blot (1:1000-1:2000) Note: Optimal dilutions/concentrations should be determined by the end user.
Expected Results:	129 / 125 kDa
Confirmed Reactivity:	<i>Arabidopsis thaliana</i>
Predicted Reactivity:	Among 25 analyzed species, the sequence of the synthetic peptide

Research Use Only

used for immunization is 100% homologues with the sequence in *Brassica rapa subsp. pekinensis*, *Brassica rapa*, and 80-99% homologues with the sequence in *Vitis vinifera*.

For more species homologues information, please contact tech support at tech@phytoab.com.