

# Anti-Auxin-binding protein 1 antibody

Catalog: PHY3363S

## Product Information

<b>Description:</b>	Rabbit polyclonal antibody
<b>Background:</b>	Auxin binding protein involved in cell elongation and cell division. ABP1 is ubiquitinated in vitro and in planta by AtRma2. ABP1 was thought to be embryo lethal but further experimentation has demonstrated that lethality is due to a linked mutation in another gene.
<b>Synonyms:</b>	ABP1, ABP, ENDOPLASMIC RETICULUM AUXIN BINDING PROTEIN 1
<b>Immunogen:</b>	KLH-conjugated synthetic peptide (13 aa from N terminal section) derived from <i>Arabidopsis thaliana</i> ABP1 (AT4G02980).
<b>Form:</b>	Lyophilized
<b>Quantity:</b>	150 µg
<b>Purification:</b>	Serum Peptide affinity form antibody available upon request at <a href="mailto:info@phytoab.com">info@phytoab.com</a> .
<b>Reconstitution:</b>	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".
<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>	22 kDa
<b>Confirmed Reactivity:</b>	Coming soon
<b>Predicted Reactivity:</b>	Among species analyzed, the sequence of the synthetic peptide used for immunization is 80-99% homologues with the sequence in <i>Brassica</i>

Research Use Only

*napus*, *Brassica rapa*, *Populus trichocarpa*, *Gossypium raimondii*,  
*Cucumis sativus*.

For more species homologues information, please contact tech support at [tech@phytoab.com](mailto:tech@phytoab.com).