

# Anti-Myosin 2 antibody

Catalog: PHY0986S

## Product Information

<b>Description:</b>	Rabbit polyclonal antibody
<b>Background:</b>	MYA2 is a member of the type XI myosin protein family that binds F-actin and co-localizes with actin filaments and peroxisomes. This protein interacts with RabC2a and RabD1 in a GTP-dependent manner. It is also involved in root hair growth and organelle trafficking.
<b>Synonyms:</b>	MYA2, ARABIDOPSIS MYOSIN 2, ATMYA2, MYOSIN 2, MYOSIN X1 2, MYOSIN XI-6, XI-2, XI-6
<b>Immunogen:</b>	KLH-conjugated synthetic peptide (20 aa from C terminal section) derived from <i>Arabidopsis thaliana</i> MYA2 (AT5G43900).
<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>	177 kDa
<b>Confirmed Reactivity:</b>	Coming soon

Research Use Only

**Predicted Reactivity:**

Among species analyzed, the sequence of the synthetic peptide used for immunization is 80-99% homologues with the sequence in *Brassica rapa*, *Brassica napus*.

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