

# Anti-Meiosis-specific protein ASY1 antibody

Catalog: PHY1171A

## Product Information

<b>Description:</b>	Rabbit polyclonal antibody
<b>Background:</b>	ASY1 protein is initially distributed as numerous foci throughout the chromatin. It is required for normal meiosis in male and female gametophytes. And it plays a crucial role in coordinating the activity of DMC1, a key member of the homologous recombination machinery.
<b>Synonyms:</b>	ASY1, ASYNAPTIC 1, ATASY1
<b>Immunogen:</b>	KLH-conjugated synthetic peptide (15 aa from C terminal section) derived from <i>Arabidopsis thaliana</i> ASY1 (AT1G67370).
<b>Form:</b>	Lyophilized
<b>Quantity:</b>	150 µg
<b>Purification:</b>	Immunogen affinity 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>	67 kDa
<b>Confirmed Reactivity:</b>	<i>Arabidopsis thaliana</i>
<b>Predicted Reactivity:</b>	Among species analyzed, the sequence of the synthetic peptide used for immunization is 80-99% homologues with the sequence in

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*Brassica rapa, Brassica napus, Oryza sativa, Gossypium raimondii.*

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