# Anti-JmjC domain protein JMJ24 antibody

**Catalog:** PHY0942A

## Product Information

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| **Description:** | Rabbit polyclonal antibody |
| **Background:** | JMJ24 is a nuclear localized JmjC domain containing protein. It has been shown to bind to transcribed regions AtSN1 and solo LTR and the promoter of SDC. JMJ24 appears to regulate basal levels of transcription of silenced loci in part by controlling methylation in heterochromatic regions. |
| **Synonyms:** | JMJ24 |
| **Immunogen:** | KLH-conjugated synthetic peptide (20 aa from N terminal section) derived from *Arabidopsis thaliana* JMJ24 (AT1G09060). |
| **Form:** | Lyophilized |
| **Quantity:** | 150 µg |
| **Purification:** | Immunogen affinity purified |
| **Reconstitution:** | Reconstitution with 150 µl of 0.01 M sterile PBS.<br>"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.<br>12 months from date of receipt, -20 to -70℃ as supplied.<br>6 months, -20 to -70℃ under sterile conditions after reconstitution.<br>1 month, 2 to 8℃ under sterile conditions after reconstitution. |
| **Shipping:** | The product is shipped at 4℃. Upon receipt, store it immediately at the temperature recommended above. |

## Application Information

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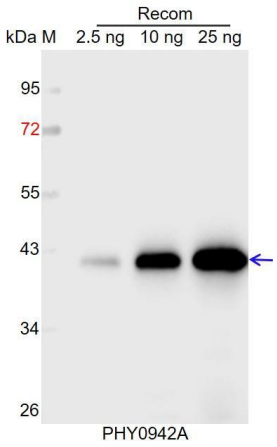
| **Recommended Dilution:** | Western Blot (1:1000-1:2000)<br>Note: Optimal dilutions/concentrations should be determined by the end user. |
| **Expected / apparent MW:** | 107 kDa |
| **Predicted Reactivity:** | Among species analyzed, the sequence of the synthetic peptide used for immunization is 80-99% homologues with the sequence in *Populus trichocarpa*, *Glycine max*, *Vitis vinifera*, *Brassica napus*, *Brassica rapa*, *Nicotiana tabacum*, *Cucumis sativus*. |

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

## Application Example




Recom: 2.5 ng, 10 ng and 25 ng recombinant protein containing the peptide for immunization and having a molecular mass of 40 kDa.

**Electrophoresis:** 12% SDS-PAGE

**Transfer:** blotting to NC (nitrocellulose) membrane for 1 h.

**Blocking:** 5% skim milk at RT or 4℃ for 1 h.

**Primary antibody:** 1:1000 dilution overnight at 4℃.

**Secondary antibody:** 1:10000 dilution using Goat Anti-Rabbit IgG H&L (HRP) (Cat# PHY6000).

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