

# Anti-Eukaryotic translation initiation factor isoform 4E antibody

Catalog: PHY3687A

## Product Information

<b>Description:</b>	Rabbit polyclonal antibody
<b>Background:</b>	LSP1 is a cap-binding protein, binds to the 5' cap structure of nuclear-encoded mRNAs. Mutant is resistant to potyvirus infection.
<b>Synonyms:</b>	LSP1, EIF(ISO)4E, EIF4E2, EIFISO4E, EUKARYOTIC INITIATION FACTOR (ISO)4E, EUKARYOTIC TRANSLATION INITIATION FACTOR 4E2, EUKARYOTIC TRANSLATION INITIATION FACTOR ISOFORM 4E, LOSS OF SUSCEPTIBILITY TO POTYVIRUS 1
<b>Immunogen:</b>	KLH-conjugated synthetic peptide (13 aa from C terminal section) derived from <i>Arabidopsis thaliana</i> LSP1 (AT5G35620).
<b>Form:</b>	Lyophilized
<b>Quantity:</b>	150 µg
<b>Purification:</b>	Immunogen Affinity Purified
<b>Reconstitution:</b>	Reconstitution with 150µl of sterile 1 × PBS (PH=7.4). "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>	23 kDa
<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*.

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