

Anti-GTP-binding protein EngA antibody

Catalog: PHY1841S

Product Information

Description:	Rabbit polyclonal antibody
Background:	EMB2738 is a putative plastid-targeted GTP-binding protein that is essential for embryogenesis and chloroplast development.
Synonyms:	EMB2738, DER, EMBRYO DEFECTIVE 2738, ENGA-1
Immunogen:	KLH-conjugated synthetic peptide (16 aa from C terminal section) derived from <i>Arabidopsis thaliana</i> EMB2738 (AT3G12080).
Form:	Lyophilized
Quantity:	150 µg
Purification:	Serum Peptide affinity form antibody available upon request at info@phytoab.com .
Reconstitution:	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".
Stability & Storage:	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.
Shipping:	The product is shipped at 4°C. Upon receipt, store it immediately at the temperature recommended above.

Application Information

Recommended Dilution:	Western Blot (1:1000-1:2000) Note: Optimal dilutions/concentrations should be determined by the end user.
Expected / apparent MW:	73 kDa
Predicted Reactivity:	Among species analyzed, the sequence of the synthetic peptide used for immunization is 100% homologues with the sequence in <i>Zea mays</i> , <i>Brassica napus</i> , <i>Brassica rapa</i> , <i>Vitis vinifera</i> , and 80-99% homologues with the sequence in <i>Triticum aestivum</i> , <i>Hordeum vulgare</i> , <i>Cucumis sativus</i> , <i>Nicotiana tabacum</i> , <i>Solanum tuberosum</i> , <i>Solanum</i>

Research Use Only

*Lycopersicum, Glycine max, Oryza sativa, Setaria viridis, Sorghum
bicolor, Gossypium raimondii, Panicum virgatum, Populus trichocarpa,
Medicago truncatula, Gossypium raimondii, Spinacia oleracea.*

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