

# Anti-Serine/threonine-protein kinase TOR antibody

Catalog: PHY3843S

## Product Information

<b>Description:</b>	Rabbit polyclonal antibody
<b>Background:</b>	TOR proteins belong to the family of phosphatidylinositol 3-kinase related kinases and are targets of the antiproliferative drug rapamycin. AtTOR binds the yeast FKBP12 protein in the presence of Rapamycin, is involved in embryogenesis and is expressed in embryos, endosperm and meristems. Participates in negatively modulating ethylene signals and the molecular mechanism is likely involved in the regulation of ethylene biosynthesis by affecting ACSs in transcription and protein levels.
<b>Synonyms:</b>	TOR, TARGET OF RAPAMYCIN
<b>Immunogen:</b>	KLH-conjugated synthetic peptide (20 aa from Central section) derived from <i>Arabidopsis thaliana</i> TOR (AT1G50030).
<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 150 µl 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>	279 kDa

Research Use Only

**Predicted Reactivity:**

Among species analyzed, the sequence of the synthetic peptide used for immunization is 100% homologous with the sequence in *Vitis vinifera*, *Brassica napus*, *Glycine max*, *Brassica rapa*, *Nicotiana tabacum*, *Gossypium raimondii*, *Solanum tuberosum*, *Spinacia oleracea*, *Cucumis sativus*, *Solanum lycopersicum*, and 80-99% homologous with the sequence in *Populus trichocarpa*, *Panicum virgatum*, *Medicago truncatula*, *Triticum aestivum*, *Hordeum vulgare*, *Zea mays*, *Sorghum bicolor*, *Oryza sativa*, *Setaria viridis*.

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