

Anti-Tubulin alpha antibody

Catalog: PHY4688S

Product Information

Description:	Rabbit polyclonal antibody
Background:	Tubulin alpha protein is a major constituent of microtubules and a structural component of the cytoskeleton, playing a role in grain development and plant architecture.
Synonyms:	OsTubA1, OsTUA2, TubA1, OS-TubA3, TubA3, OsTUBA3, OsSNG
Immunogen:	KLH-conjugated synthetic peptide (17 aa from N terminal section) derived from <i>Oryza sativa</i> Tubulin alpha (Os07g0574800, Os11g0247300).
Form:	Lyophilized
Quantity:	150 µg
Purification:	Serum Peptide affinity form antibody available upon request at info@phytoab.com .
Reconstitution:	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".
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:	50 kDa
Predicted Reactivity:	Among species analyzed, the sequence of the synthetic peptide used for immunization is 100% homologues with the sequence in <i>Arabidopsis thaliana</i> , <i>Zea mays</i> , <i>Glycine max</i> , <i>Brassica napus</i> ,

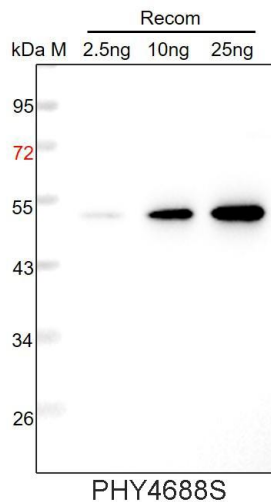
Research Use Only

Triticum aestivum, *Brassica rapa*, *Cucumis sativus*, *Vitis vinifera*, *Solanum tuberosum*, *Physcomitrium patens*, *Hordeum vulgare*, *Chlamydomonas reinhardtii*, *Setaria viridis*, *Nicotiana tabacum*, *Spinacia oleracea*, *Panicum virgatum*, *Populus trichocarpa*, *Medicago truncatula*, *Solanum lycopersicum*, *Gossypium raimondii*, *Sorghum bicolor*.

The sequence of the synthetic peptide used for immunization is 94% homologues with the sequence in Os03g0726100 and Os03g0219300.

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 53 kDa.

Electrophoresis: 12% SDS-PAGE

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

Blocking: 5% skim milk at RT or 4°C for 1 h.

Primary antibody: 1:1000 dilution overnight at 4°C.

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.