

## Anti-Translationally-controlled tumor protein 1 antibody

Catalog: PHY2366S

## **Product Information**

**Description:** Rabbit polyclonal antibody

**Background:** Translationally Controlled Tumor Protein (TCTP) is an almost ubiquitous protein

found in eukaryotes, fundamental for the regulation of development and

general growth. AtTCTP1 modulates root system architecture through a dual function: as a general constitutive growth promoter enhancing root elongation

and as a systemic signalling agent via mobility in the vasculature.

Synonyms: TCTP1, ATTCTP1, TRANSLATIONALLY CONTROLLED TUMOR PROTEIN

Immunogen: KLH-conjugated synthetic peptide (19 aa from N terminal section) derived from

Arabidopsis thaliana TCTP1 (AT3G16640).

Form: Lyophilized

Quantity:150 μgPurification: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 &**Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

**Storage:** 12 months from date of receipt, -20 to  $-70^{\circ}$ 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: 19 / 20 kDa

Confirmed Reactivity: Arabidopsis thaliana

Research Use Only

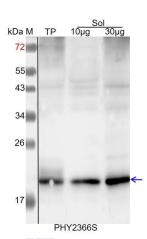


**Predicted Reactivity:** 

Among species analyzed, the sequence of the synthetic peptide used for immunization is 80-99% homologues with the sequence in *Brassica rapa*, *Brassica napus*, *Spinacia oleracea*.

For more species homologues information, please contact tech support at <a href="tech@phytoab.com">tech@phytoab.com</a>.

## **Application Example**



TP: 60 µg total protein from Arabidopsis thaliana.

Sol: 10 μg and 30 μg soluble protein from *Arabidopsis thaliana*, respectively.

Electrophoresis: 15% SDS-PAGE

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

**Blocking:** 5% skim milk at RT or  $4^{\circ}$ C 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.