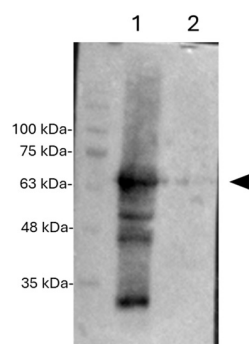


Product no **AS22 4884****Anti-tdTomato****Product information**

<b>Immunogen</b>	KLH-conjugated peptide derived from <u>tdTomato protein sequence</u> . Peptide used to elicit this antibody is also conserved in: mCherry, mScarlet och mRuby.
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Purity</b>	Antigen affinity purified serum, in PBS pH 7.4
<b>Format</b>	Lyophilized
<b>Quantity</b>	50 µg
<b>Reconstitution</b>	For reconstitution add 50 µl, of sterile or deionized water.
<b>Storage</b>	Store lyophilized/reconstituted at -20 °C; once reconstituted make aliquots to avoid repeated freeze-thaw cycles. Please, remember to spin tubes briefly prior to opening them to avoid any losses that might occur from lyophilized material adhering to the cap or sides of the tubes.

**Application information**

<b>Recommended dilution</b>	1 : 1000 - 1 : 5000 (WB)
<b>Expected   apparent MW</b>	depends upon fusion partner
<b>Confirmed reactivity</b>	Recombinant proteins with tdTomato fusion
<b>Not reactive in</b>	No confirmed exceptions from predicted reactivity are currently known
<b>Selected references</b>	To be added when available, antibody available in May 2025.

**Samples:**

- 1 - 20 µg of *Arabidopsis thaliana* transgenic line expressing Lti6b-tdTomato 7d old control sample (whole seedlings)
- 2 - 20 µg of *Arabidopsis thaliana* 4d old of control sample (root) Mark: MW markers BlueStar prestained protein marker (Nippon Genetics)

20 µg/well of total protein extracted freshly from *Arabidopsis thaliana* 7d old seedlings. Exact buffer components were: 25 mM Tris-HCl pH 7.6, 150 mM NaCl, 1% v/v NP-40, 1% w/v sodium deoxycholate, 0.1% w/v SDS and Complete™ Protease Inhibitor Cocktail (Roche) and denatured with 4x Laemmli buffer (1x: 50 mM Tris-HCl pH 6.8, 2% w/v SDS, 0.1% w/v bromophenol blue, 10% v/v glycerol and 2.5% v/v β-mercaptoethanol) at 85 °C/10 min and. Samples were separated on 12% SDS-PAGE and blotted for 60 min to PVDF (pore size: 0.45 µm), using: wet transfer at 4 °C. Blot was blocked with 5 % non-fat milk for 1h/RT with agitation. Blot was incubated in the primary antibody at a dilution of 1:500 with agitation in TBS-T, ON/4 °C with agitation. The antibody solution was decanted and the blot was rinsed briefly thrice for 30 min in TBS-T at RT with agitation. Blot was incubated in matching secondary antibody (anti-rabbit IgG horse radish peroxidase conjugated) diluted to 1: 25 000 for 2h/RT with agitation. The blot was washed as above and developed with a following chemiluminescent detection reagent: AgriseraBright (Agrisera). Exposure time was 30 sec.

Note: Protein load/well can be decreased and primary antibody used in higher dilution, which will contribute to less background.

Courtesy of phd candidate Veronica Giourieva, Department of Botany School of Biology, Aristotle University of Thessaloniki 54124 Thessaloniki, Greece