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contact: support@agrisera.com

Agrisera AB | Box 57 | SE-91121 Vännäs | Sweden | +46 (0)935 33 000 | www.agrisera.com

Product no AS16 3207

Anti-TPL | Transcription factor TOPLESS (rabbit antibody)

Product information

Immunogen KLH-conjugated synthetic peptide derived from *Arabidopsis thaliana* TPL sequence. UniProt: Q94AI7, TAIR:

AT1G15750

Chosen peptide is not conserved in Arabidopsis thaliana Topless-related proteins.

Host Rabbit

Clonality Polyclonal

Purity Immunogen affinity purified serum in PBS pH 7.4.

Format Lyophilized

Quantity 50 μg

Reconstitution For reconstitution add 50 μl of sterile water

Storage Store lyophilized/reconstituted at -20°C; once reconstituted make aliquots to avoid repeated freeze-thaw cycles. Please remember to spin the tubes briefly prior to opening them to avoid any losses that might occur from material adhering to

the cap or sides of the tube.

Additional information The peptide used to elicit this antibody is not conseerved in the product of the gene AT4G30480.

Application information

Recommended dilution 1:1000 (WB)

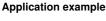
Expected | apparent 124 kDa

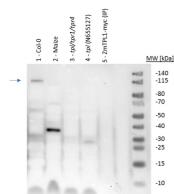
1W 124 KD

Predicted reactivity Gossypium arboreum, Gossypium hirsutum, Noccaea caerulescens, Populus tomentosa, Theobroma cacao

Species of your interest not listed? Contact us

Not reactive in Zea mays





20 µg of total protein from *Arabidopsis thaliana* Col-0 (wt) (1), *Zea mays* leaf total protein extract (2), tpl/tpr1/tpr4 triple mutant in Col-0 background (3), Tpl mutant (N655127) (4), extracted with 1x LDS loading buffer to 50 mg tissue powder and proteins were denatured at 75°C for 10 min (1x LDS buffer: 10% glycerol, 250 mM Tris-HCl pH 8.5, 0.5 mM EDTA, 2% Lithium dodecyl sulfate, 0.005% Bromophenol blue) were separated on % SDS-PAGE and blotted 1h to nitrocellulose using Trans Blot Turbo system (BioRad). Blots were blocked with 5 % nonfat milk in TBS-T (100 mM Tris-HCl, 200 mM NaCl, 0.05% Tween 20) for 1h at room temperature (RT) with agitation. Blot was incubated in the primary antibody at a dilution of 1: 1 000 for 1h at RT with agitation in TBS-T. The antibody solution was decanted and the blot was rinsed briefly twice, then washed once for 5 min 4 times in TBS-T at RT with agitation. Blot was incubated in secondary antibody (anti-rabbit IgG horse radish peroxidase conjugated, from Agrisera, AS09 602) diluted to 1:20 000 in for 1h at RT with agitation. The blot was washed as above and developed with chemiluminescent detection of extreme low femtogram range. Exposure time was 12.6 seconds.

Peptide used to elicit TPL1 antibody is not conserved in TPL1 of Zea mays, which therefore serves as a negative control.

Courtesy Dr. Janos Bindics, Gregor Mendel Institute of Molecular Plant Biology, Vienna, Austria