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

Product no AS15 2866

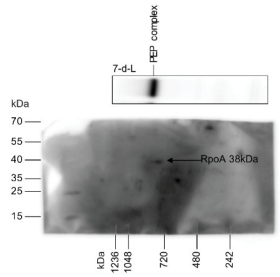
Anti-RpoA | RNA polymerase alpha subunit (chloroplast)

Product information

Immunogen	His-tagged, highly conserved fragment of *Zea mays* RpoA UniProt: P09562
Host	Rabbit
Clonality	Polyclonal
Purity	Total IgG. Protein G purified in PBS pH 7.4.
Format	Lyophilized
Quantity	2 mg
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.

Application information

Recommended dilution	1: 500 (WB)
Expected | apparent MW	38 kDa
Confirmed reactivity	*Arabidopsis thaliana*
Predicted reactivity	*Zea mays* Species of your interest not listed? Contact us
Not reactive in	*Prochlorococcus* sp.
Selected references	Ji et al. (2020). A fully assembled PEP complex detected in etioplasts and proplastids in Arabidopsis. Physiol Plant. 2020 Nov 5. doi: 10.1111/ppl.13256.



Stromal fraction proteins (100 µg) were extracted from *Arabidopsis thaliana* cell culture grown under dark (7-d-D) and 150 µmol m-2s -1 constant white light for 7 days (7-d-L). Proteins were separated by NativePAGE 3-12% Bis-Tris Gel and detected using anti-RpoB antibody. PEP complex separated by BN-PAGE were further resolved by 4-12% NuPAGE and blotted 250mA for 1.5h to 0.45 µm PVDF using wet transfer. Blot was blocked with 5% milk for 1h/RT with agitation. Blot was incubated in the primary antibody anti-RpoA at a dilution of 1: 500 for ON/4°C with agitation in TBS-T. The antibody solution was decanted and the blot was rinsed briefly three times, then washed once for 10 min and repeat 3 times in TBS-T at RT with agitation. Blot was incubated in Agrisera matching secondary antibody (anti-rabbit IgG horse radish peroxidase conjugated; AS09 602) diluted to 1:10 000 for 1h/RT with agitation. The blot was washed as above and developed with AgriseraECL SuperBright (AS16 ECL-S) for 12 sec for dark sample and 2 sec for light sample.

Courtesy Yan Ji, PhD student Åsa Strand Group Department of Plant Physiology Umeå Plant Science Centre (UPSC), Sweden