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Product no AS15 2867A

RpoB | RNA polymerase beta subunit (chloroplast) (maize)

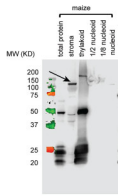
Product information

Immunogen	His-tagged, highly conserved fragment of *Zea mays* RpoB gi|540067377|gb|AGV02730.1| RNA polymerase beta subunit (chloroplast) [Zea mays subsp. mays], UniProt: A0A059Q6W3
Host	Rabbit
Clonality	Polyclonal
Purity	Immunogen affinity purified serum in PBS pH 7.4.
Format	Lyophilized
Quantity	100 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.

Application information

Recommended dilution	1 : 500 (WB)
Expected | apparent MW	121 kDa
Confirmed reactivity	*Zea mays*
Predicted reactivity	*Alloteropsis semialata, Coleataenia prionitis, Digitaria exilis, Echinochloa crus-galli var. crus-galli , Eragrostis tef, Microlaena stipoides, Hordeum vulgare, Miscanthus sacchariflorus, Oryza sativa, Phragmites australis, Potamophila parviflora, Rhynchoryza subulata, Saccharum officinarum, Setaria italica, Sorghum bicolor, Stipa lipskyi, Sporobolus michauxianus, Triticum aestivum* Species of your interest not listed? Contact us
Not reactive in	No confirmed exceptions from predicted reactivity are currently known
Additional information	Antibody does not work on total cell extracts. Stromal fraction has to be used. This antibody is detecting recombinant RpoB.

Application example



Stroma, thylakoid, nuclei and total protein from *Zea mays* were extracted with 50 mM HEPES-KOH pH 8, 330 mM sorbitol exaction buffer. Components were separated on 12% SDS-PAGE and blotted overnight to Nitrocellulose membrane using wet transfer. Blots were blocked with 5% non-fat milk for 1h at room temperature (RT) with agitation. Blot was incubated in the primary antibody at a dilution of 1: 500 for 2h at RT with agitation. The antibody solution was decanted and the blot was rinsed briefly twice, then washed once for 15 min and 3 times for 5 min in TBS-T at RT with agitation. Blot was incubated in secondary antibody (anti-rabbit IgG horse radish peroxidase conjugated) diluted to 1:10 000 in for 1h at RT with agitation. The blot was washed as above and developed for 5min with chemiluminescent detection reagent of extreme low femtogram range. Exposure time was 120 seconds.

Courtesy of Jie Shen and Dr. Alice Barkan, University of Oregon, USA