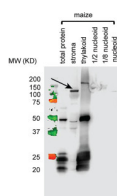


Product no **AS15 2867A****Anti-RpoB | RNA polymerase beta subunit (chloroplast) (maize)****Product information**

<b>Immunogen</b>	His-tagged, highly conserved fragment of <i>Zea mays</i> RpoB gi 540067377 gb AGV02730.1  RNA polymerase beta subunit (chloroplast) [ <i>Zea mays</i> subsp. <i>mays</i> ], UniProt: <a href="#">A0A059Q6W3</a>
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Purity</b>	Immunogen affinity purified serum in PBS pH 7.4.
<b>Format</b>	Lyophilized
<b>Quantity</b>	100 µg
<b>Reconstitution</b>	For reconstitution add 50 µl of sterile water
<b>Storage</b>	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**

<b>Recommended dilution</b>	1 : 500 (WB)
<b>Expected   apparent MW</b>	121 kDa
<b>Confirmed reactivity</b>	<i>Zea mays</i>
<b>Predicted reactivity</b>	<i>Alloteropsis semialata</i> , <i>Campanula americana</i> , <i>Coleataenia prionitis</i> , <i>Digitaria exilis</i> , <i>Echinochloa crus-galli</i> var. <i>crus-galli</i> , <i>Eragrostis tef</i> , <i>Microlaena stipoides</i> , <i>Hordeum vulgare</i> , <i>Miscanthus sacchariflorus</i> , <i>Oryza sativa</i> , <i>Phragmites australis</i> , <i>Potamophila parviflora</i> , <i>Rhynchozyza subulata</i> , <i>Saccharum officinarum</i> , <i>Setaria italica</i> , <i>Sorghum bicolor</i> , <i>Stipa lipskyi</i> , <i>Sporobolus michauxianus</i> , <i>Triticum aestivum</i> Species of your interest not listed? <a href="#">Contact us</a>
<b>Not reactive in</b>	No confirmed exceptions from predicted reactivity are currently known
<b>Additional information</b>	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 extraction 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