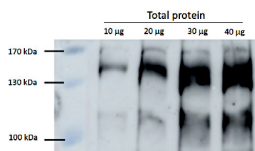


Product no **AS20 4376****RPB2 | DNA-directed RNA polymerase II subunit 2****Product information**

<b>Immunogen</b>	KLH-conjugated peptide derived from <i>Arabidopsis thaliana</i> RPB2 UniProt: <a href="#">P38420-1</a> , TAIR: <a href="#">AT4G21710</a>
<b>Host</b>	Chicken
<b>Clonality</b>	Polyclonal
<b>Purity</b>	Immunogen 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 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 : 1000 (WB)
<b>Expected   apparent MW</b>	135 kDa
<b>Confirmed reactivity</b>	<i>Arabidopsis thaliana</i>
<b>Predicted reactivity</b>	<i>Arachis duranensis, Brachypodium distachyon, Brassica campestris, Brassica oleracea, Brassica rapa, Capsicum annuum, Cucumis melo, Cucumis sativus, Hordeum vulgare, Homo sapiens, Lupinus angustifolius, Malus baccata, Nicotiana tabacum, Oryza sativa, Petunia hybrida, Phaseolus vulgaris, Populus alba, Raphanus sativus, Sorghum bicolor, Trifolium subterraneum, Triticum aestivum, Zea mays</i>
<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 2021.



10-40 µg/well of total protein extracted from 7-d-old *Arabidopsis thaliana* seedlings (grown in continuous light at 22°C) with 50 mM Tris-HCl pH 7.5, 150 mM NaCl, 0.25% Triton X-100, 2 mM PMSF and 1x protease inhibitor cocktail (Roche) and denatured with 1X Laemli buffer at 100°C for 5 min, were separated in duplicate on 7% SDS-PAGEs and blotted 1h 15 min to PVDF (0.2 µm), using wet transfer. Blots were blocked with TBS-T/5% milk for 1h/RT with agitation. Blots were incubated in the primary antibodies at a dilution of 1:1000 (anti-NRPB2) ON/4°C in TBS-T/5% milk with agitation. The anti-NRPB2 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 Agrisera matching secondary antibody (rabbit anti-chicken IgG horse radish peroxidase conjugated, [AS10 1489](#)) diluted to 1:1000 in for 1h/RT with agitation. The two blots were washed as above and developed for 5 min with chemiluminescent detection reagent, following manufacture's recommendations. Exposure time was 10 seconds (ImageQuant 800, 3x3 bins; Amersham).

Courtesy of Alberto Palacios-Abella from Dr. David Alabadi lab, CSIC-UPV, Spain