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Product no AS20 4376

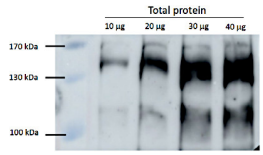
Anti-RPB2 | DNA-directed RNA polymerase II subunit 2

Product information

Immunogen	KLH-conjugated peptide derived from *Arabidopsis thaliana* RPB2 UniProt: P38420-1, TAIR: AT4G21710
Host	Chicken
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.

Application information

Recommended dilution	1 : 1000 (WB)
Expected | apparent MW	135 kDa
Confirmed reactivity	*Arabidopsis thaliana*
Predicted reactivity	*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*
Not reactive in	No confirmed exceptions from predicted reactivity are currently known
Selected references	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 22ºC) 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 1XLaemli buffer at 100°C for 5 min, were separated in duplicate on 7% SDS-PAGEs and blotted 1h 15 min to PVDF (0.2 um), 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