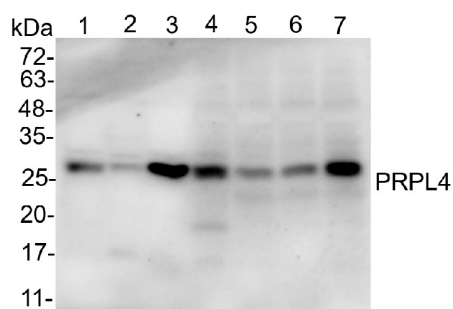


Product no **AS22 4787****Anti-RPL4 | ribosomal protein L4 (chloroplastic)****Product information**

<b>Immunogen</b>	KLH-conjugated peptide derived from <i>Arabidopsis thaliana</i> RPL4 protein sequence. UniProt: <a href="#">Q50061</a> , TAIR: <a href="#">AT1G07320</a>
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Purity</b>	Antigen affinity purified serum, in PBS pH 7.4
<b>Format</b>	Lyophilized
<b>Quantity</b>	100 µg
<b>Reconstitution</b>	For reconstitution, add 100 µl, of sterile or deionized water.
<b>Storage</b>	Store lyophilized/reconstituted at -20 °C; once reconstituted make aliquots to avoid repeated freeze-thaw cycles. Please, remember to spin tubes briefly prior to opening them to avoid any losses that might occur from lyophilized material adhering to the cap or sides of the tubes.

**Application information**

<b>Recommended dilution</b>	1 : 1000 (WB)
<b>Expected   apparent MW</b>	26   kDa (due to N-terminal or C-terminal processing)
<b>Confirmed reactivity</b>	<i>Arabidopsis thaliana</i> , <i>Hordeum vulgare</i> , <i>Lycopersicon esculentum</i> , <i>Nicotiana benthamiana</i> , <i>Oryza sativa</i>
<b>Predicted reactivity</b>	<i>Ananas comosus</i> , <i>Arachis ipaensis</i> , <i>Beta vulgaris subsp. vulgaris</i> , <i>Cannabis sativa</i> , <i>Capsicum annuum</i> , <i>Chenopodium quinoa</i> , <i>Cucurbita maxima</i> , <i>Hordeum vulgare</i> , <i>Lupinus angustifolius</i> , <i>Olea europaea var. sylvestris</i> , <i>Medicago truncatula</i> , <i>Pisum sativum</i> , <i>Populus euphratica</i> , <i>Prunus dulcis</i> , [ <i>Sesamum indicum</i> , <i>Quercus robur</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>	This antibody is recognizing recombinant RPL4 <i>oePRPL4</i> .
<b>Selected references</b>	To be added when available, antibody available in May 2023.

**Samples:**

1. *Oryza sativa* whole leaf extract
2. *Hordeum vulgare* whole leaf extract
3. *Lycopersicon esculentum* (tomato) whole leaf extract
4. *Nicotiana benthamiana*
5. *Arabidopsis thaliana* Col-0 whole leaf extract
6. *Arabidopsis thaliana* Ler whole leaf extract
7. *Arabidopsis thaliana* Col-0 over-expressor line whole leaf extract (*oePRPL4*)

Leaf material was homogenized in Laemmli sample buffer [20% (v/v) glycerol, 4% (w/v) SDS, 160 mM Tris-HCl pH 6.8, 10% (v/v) 2-mercaptoethanol] to a concentration of 0.1 mg µl<sup>-1</sup> (fresh weight/Laemmli sample buffer). Samples were incubated at 65 °C for 15 min and, after a centrifugation step (10 min at 16 000 g), the supernatant was incubated for 5 min at 95 °C and loaded onto 12 % SDS-PAGE Acrylamide/Bis-acrylamide (29:1) and blotted for 1 h to PVDF (0.45 µM pore size), using semi-dry or dry transfer (Biorad). Blot was blocked with 5 % milk for: 4h/RT with agitation. Blot was incubated in the primary antibody at a dilution of 1 : 500 for ON/4 °C with agitation. The antibody solution was decanted, and the blot was rinsed briefly twice, then washed once for 15 min and 3 times for 10 min in TBS-T at RT with agitation. Blot was incubated in matching secondary antibody (anti-rabbit IgG horse radish peroxidase conjugated) diluted to 1 : 25 000 in for h/RT with agitation

([AS09 602](#), Agrisera). The blot was washed as above and developed with a following chemiluminescent detection reagent: AS16 ECL-N-10 Agrisera ECLBright (mid picogram). Exposure time was 10 minutes.

Courtesy of Dr. Luca Tadini, Università degli studi di Milano, Italy