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Product no AS24 5058

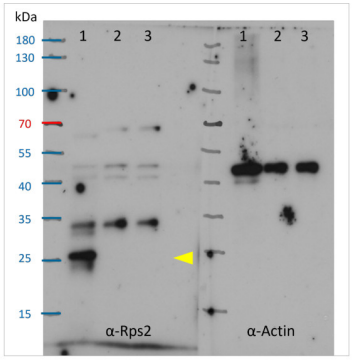
Anti-Rps2 | Ribosomal subunit 2 (cytoplasmic, dicot)

Product information

Immunogen	KLH-conjugated peptide derived from *Arabidopsis thaliana* Rps2, UniProt: Q9SCM3 GeneID: AT3G57490
Host	Rabbit
Clonality	Polyclonal
Purity	Antigen affinity purified serum, in PBS pH 7.4
Format	Lyophilized
Quantity	50 µg
Reconstitution	For reconstitution, add 50 µl of sterile or deionized water.
Storage	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

Recommended dilution	1 : 3000 (WB)
Expected | apparent MW	30 | 26 kDa (in presence of u6 M urea)
Confirmed reactivity	*Arabidopsis thaliana*
Predicted reactivity	*Brassica napus*, *Nicotiana tabacum, Pisum sativum, Solanum lycopresicum, Solanum tuberosum* Species of your interest not listed? Contact us
Not reactive in	Monocots
Selected references	To be added when available. Antibody released in March 2026.



Samples:
From the left: MW markers
1 - 15 ug of WT *Arabidopsis thaliana* whole seedling (Col-0)
2 - 15 ug of rps2 mutant *Arabidopsis thaliana* whole seedling (SALK_067371C)
3 - 15 ug of rps2 mutant *Arabidopsis thaliana* whole seedling (SALK_085434C)

15 µg/well of total protein extracted freshly from *Arabidopsis thaliana* 8-day-old seedlings. Exact buffer components were: 4 M Urea buffer components at 4 °C. Samples were separated in the RT on 12 % SDS-PAGE and blotted for 2 h to PVDF (pore size of 0.2 µm), using: we transfer in the cold. Blot was blocked with 10 % milk for 1h/RT with agitation. Blot was incubated in the primary antibody at a dilution of 1: 3000 for 1h/RT with agitation in PBS 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 PBS at RT with agitation. Blot was incubated in matching secondary antibody (anti-rabbit IgG horse radish peroxidase conjugated) diluted to 1: 5000 in for 1 h/RT with agitation. The blot was washed as above and developed with a following chemiluminescent detection reagent: SuperSignal West Pico PLUS (Thermo Fisher). Exposure time was 1 minute.

Note: Faster migration of Rps2 is attributed to presence of 4 M urea in the sample. In the presence of 6 M urea less SDS is going to bind to the protein, and as an effect of that the protein is going to migrate faster than calculated from the sequence.

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