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Product no AS14 2779

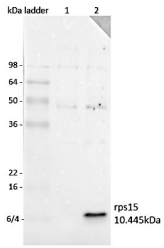
Anti-RPS15 | 30S ribosomal protein S15, chloroplastic

Product information

Immunogen	KLH-conjugated peptide, derived from *Arabidopsis thaliana* RPS15 UniProt: P56805, TAIR: AtCg01120
Host	Rabbit
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
Expected | apparent MW	10 kDa
Confirmed reactivity	*Nicotiana tabacum*
Predicted reactivity	*Arabidopsis thaliana, Solanum lycopersicum, Solanum tuburosum, Oryza sativa, Zea mays* Species of your interest not listed? Contact us
Not reactive in	
Selected references	To be added when available, antibody released in October 2021.



5 µg/well of total protein extracted freshly from *Nicotiana tabacum* RPS15 mutant (1) and wildtype (2) with 0.7 M sucrose, 0.5 M Tris, 50 mM EDTA, 0.1 M KCl, 2% -Mercaptoethanol, 2% Complete proteases inhibitor, and Phenol, and denatured with 1 vol of 2x protein loading buffer (125 mM Tris-HCl (pH 6.8), 4% SDS, 20% glycerol, 25 mM EDTA, 0.4 mg/ml Bromophenol blue, 2% -Mercaptoethanol) at 64°C for 10 min. Samples were separated on 12 % SDS-PAGE and blotted 20V/ON or 350A/2h at 4°C to nitrocellulose (pore size of 0.2 µm), using wet transfer. Blot was blocked with 4% milk for 30min/RT on a gentle rocking. Blot was incubated in the primary antibody at a dilution of 1: 1 000 for ON/4°C on a gentle rocking in TBS-T. The antibody solution was decanted, and the blot was rinsed briefly with TBS-T, then washed three times for 10min in TBS-T at RT with agitation. Blot was incubated in secondary antibody (Goat Anti-Rabbit IgG (H + L)-HRP Conjugated) diluted to 1:10 000 in 2% dry milk, 15 mM EDTA and TBS-T for 1h/RT with agitation. The blot was washed as above and developed with chemiluminescent detection reagent following manufacture's recommendations. Exposure time was 1.5 min.

Courtesy of Drs Jinghan Liu and Reimo Zoschke, Max Planck Institute of Molecular Plant Physiology, Germany