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Agrisera AB | Box 57 | SE-91121 Vännäs | Sweden | +46 (0)935 33 000 | www.agrisera.com

Product no AS19 4292

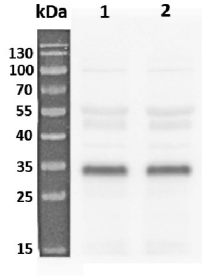
Anti-RPS6A | 40S ribosomal protein S6-1 (N-terminal)

Product information

Immunogen	KLH-conjugated peptide derived from *Arabidopsis thaliana* RPS6A, N-terminal, UniProt: O48549, TAIR: At4g31700
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 (WB)
Expected | apparent MW	28.3 kDa
Confirmed reactivity	*Arabidopsis thaliana*
Predicted reactivity	*Actinidia rufa, Ananas comosus, Beta vulgaris, Cajanus cajan, Capsicum chinense, Citrus clementina, Gossypium australe, Olea europaea subsp. europaea, Oryza sativa, Panicum miliaceum, Physcomitrium patens, Populus alba, Sesamum indicum, Senna tora, Solanum lycopersicum, Solanum tuberosum, Zea mays, Vigna unguiculata* Species of your interest not listed? Contact us
Not reactive in	*Chlamydomonas reinhardtii*
Selected references	Tanigawa et al. (2024). FYVE1/FREE1 is involved in glutamine-responsive TORC1 activation in plants. iScience. 2024 Aug 26;27(9):110814. doi: 10.1016/j.isci.2024.110814. Lando et al. (2024). Nitric oxide participates in sucrose–TOR signaling during meristem activation in Arabidopsis thaliana. Planta, Short Communication, October 2024, Volume 260.



0.5 µg/well of total protein extracted freshly from *Arabidopsis thaliana* whole leaf with extraction buffer (50mM Tris-HCl pH 7.5, 1mM NaCl, 1% Triton X-100, 1mM DTT, 1mM PMSF, 0.5mM EDTA and 1X Halt protease and phosphatase inhibitor cocktail) and denatured with laemmli sample buffer at 70°C for 5 min. Protein extract were separated on 4-12% SDS-PAGE and blotted 1h to nitrocellulose (pore size of 0.45um), using wet transfer. Blot was blocked with 5% BSA for 1h/RT with agitation. Blot was incubated in the primary antibody at a dilution of 1: 2000 in 5% BSA+PBS-T ON/4°C with agitation. The antibody solution was decanted and the blot rinsed, then washed 3 times for 10 min in PBS-T at RT with agitation. Blot was incubated in Agrisera matching secondary antibody (anti-rabbit IgG horse radish peroxidase conjugated AS09 602) diluted to 1:25 000 in 5% BSA+PBS-T for 1h/RT with agitation. The blot was washed as above and developed for 5 min with Agrisera ECL Bright. Exposure time was 10 seconds.

Courtesy Dr. Irabonosi Obomighie, University of Essex, United Knigdom