

This product is for research use only (not for diagnostic or therapeutic use)

contact: support@agrisera.com

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

### Product no AS19 4302

# RPS6A-P240 | Phosphorylated (Ser240) 40S ribosomal protein S6-1

#### **Product information**

Immunogen KLH-conjugated peptide derived from Arabidopsis thaliana RPS6A, UniProt: <u>Q48549</u>, TAIR: <u>At4q31700</u> phosphorylated at Ser240

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

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)

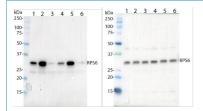
Expected | apparent

Predicted reactivity

Actinidia rufa, Ananas comosus, Beta vulgaris, Cajanus cajan, Capsicum chinense, Citrus clementina, Gossypium australe, Olea europaea subsp. europaea, Oryza sativa, Panicum miliaceum, Populus alba, Sesamum indicum, Senna tora, Solanum lycopersicum, Vigna unguiculata

Species of your interest not listed? Contact us

**Selected references** To be added when available, antibody released in February 2021.



Left panel is developed with anti-RPS6-p240, while right panel anti-RPS6, which serves as a loading control

#### Lanes:

1 and 4 - 0.5 µg of Arabidopsis thaliana whole leaf extract from untreated leaf discs

2 and 5 - 0.5 µg of Arabidopsis thaliana whole leaf extract from leaf discs treated with 10 mM glutamine (TOR activator) for 8 hours

3 and 6 - 0.5  $\mu g$  of Arabidopsis thaliana whole leaf extract from leaf discs treated with 2  $\mu M$  AZD-8055 (TOR inhibitor) for 8 hours and 6 - 0.5  $\mu g$  of Arabidopsis thaliana whole leaf extract from leaf discs treated with 2  $\mu M$  AZD-8055 (TOR inhibitor) for 8 hours and 6 - 0.5  $\mu g$  of Arabidopsis thaliana whole leaf extract from leaf discs treated with 2  $\mu M$  AZD-8055 (TOR inhibitor) for 8 hours are considered with 2  $\mu M$  AZD-8055 (TOR inhibitor).

0.5 µg/well of total protein extracted freshly from mature Arabidopsis thaliana leaves with 50 mM HEPES pH 7.5, 5mM NaF, 2.5 mM NaPPi, 25 mM B-phosphoglycerol, Roche Complete inhibitor tablet (1x), 2% PVPP, 2 mM PMSF) and denatured with 2x SDS sample buffer (80 mM tris pH 6.8, 2% SDS, 10% glycerol, 100 mM DTT, bromophenol blue) at 99°C for 3 min. were separated on AnyKd (BioRAD) gradient % SDS-PAGE and blotted 1h to PVDF (pore size of 0.45 um) using semi-dry transfer. Blot was blocked with 2% milk for 1h/RT with agitation. Blot was incubated in the primary antibody at a dilution of 1: 1 000 in TBS-T + 2% milk powder ON/4°C with agitation. The antibody solution was decanted and the blot was rinsed briefly twice, then washed 3 times for 5 min in TBS-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 TBS-T + 2 % milk powder for 1h/RT with agitation. The blot was washed as above and developed for 5 min with Agrisera ECLBright with GE Amersham Imager 600. Exposure time was ~60.seconds.



This product is **for research use only** (not for diagnostic or therapeutic use)

contact: support@agrisera.com

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

Courtesy of Dr. Brendan O'Leary, University of Western Australia, School of Molecular Sciences, ARC Centre for Plant Energy Biology, Australia