Product no AS15 2875

RPS1 | Ribosomal protein S1 (chloroplastic)

Product information

**Background**
Ribosomal protein S1, chloroplastic, is a protein involved in the initiation complex formation via a strong mRNA-binding activity. It has a poly(A)-binding activity, this might play a significant role as a control element in chloroplast mRNA translation.

**Immunogen**
Recombinant S1 protein from spinach *Spinacia oleracea*, UniProt: P29344

**Host**
Rabbit

**Clonality**
Polyclonal

**Purity**
Serum

**Format**
Lyophilized

**Quantity**
100 µl

**Reconstitution**
For reconstitution add 100 µl of sterile water.

**Storage**
Lyophilized antibody can be stored at -20°C or -80°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.

**Tested applications**
Western blot (WB)

**Related products**
- AS13 2650 | Anti-L13-1 | 60S ribosomal protein L13-1, rabbit antibodies
- AS09 478 | Anti-L13-1 | 60S ribosomal protein L13-1, rabbit antibodies
- AS08 351 | Anti-L-30 | 50S ribosomal protein L30, rabbit antibodies
- AS11 1738 | Anti-Rpl1 | 50S ribosomal protein L1, rabbit antibodies
- AS15 2876 | Anti-RPL2 | ribosomal protein L2 (chloroplastic), rabbit antibodies
- AS14 2780 | Anti-RPL33 | 50S ribosomal protein L33, chloroplastic, rabbit antibodies
- AS14 2781 | Anti-RPL36 | 50S ribosomal protein L36, chloroplastic, rabbit antibodies
- AS12 2115 | Anti-RPS37 | ribosomal protein L37, cytoplasmic, rabbit antibodies
- AS15 2875 | Anti-RPS1 | ribosomal protein S1 (chloroplastic), rabbit antibodies
- AS12 2114 | Anti-RPS12 | ribosomal protein S12, (chloroplastic), rabbit antibodies
- AS14 2779 | Anti-RPS15 | 30S ribosomal protein S15, (chloroplastic), rabbit antibodies
- AS10 719 | Anti-Rps2 | anti-ribosomal subunit 2 (cytoplasmic), rabbit antibodies
- AS16 3832 | Anti-RPS2 | Ribosomal protein S2 (mitochondrial), rabbit antibodies
- AS08 3091 | Anti-S1 | anti-30S ribosomal protein S1, rabbit antibodies
- AS12 2111 | Anti-S14 | 40S ribosomal protein S14-1, rabbit antibodies
- AS15 3038 | Anti-S4 | mitochondrial ribosomal small subunit protein S4, rabbit antibodies
- AS15 3067 | Anti-S10 | mitochondrial ribosomal small subunit protein S10, rabbit antibodies
- AS15 3069 | Anti-L16 | mitochondrial ribosomal large subunit protein L16, rabbit antibodies

**Secondary antibodies**

**Application information**

**Recommended dilution**
1 : 1000 (WB)

**Expected | apparent MW**
45.1 kDa

**Confirmed reactivity**
*Arabidopsis thaliana*, *Hordeum vulgare*, *Nicotiana tabacum*, *Solanum lycopersicum* (with higher load /well), *Spinacia oleracea*, *Zea mays*

**Predicted reactivity**
Capsella rubella, Citrus sinensis, Cucumis sativus, Brassica napus, Gossypium arboreum, Populus trichocarpa, Ricinus communis, Solanum tuberosum, Vitis vinifera

Not reactive in

No confirmed exceptions from predicted reactivity are currently known.

Selected references


application example

5 µg of total protein from Spinacia oleracea (1), Arabidopsis thaliana (2), Solanum lycopersicum (3), Nicotiana tabacum (4), Hordeum vulgare (5) leafs were separated on 12 % SDS-PAGE and blotted 1h to PVDF using tank transfer. Blots were blocked with 5 % milk in TBS for 1h at room temperature (RT) 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 TBS-T at RT with agitation. Blot was incubated in secondary antibody (anti-rabbit IgG horse radish peroxidase conjugated) diluted to 1:10 000 in for 1h at RT with agitation. The blot was washed as above and developed for 5 min with ECL according to the manufacturer’s instructions. Exposure time was 15 seconds.

RPS1 antibodies will react with Solanum lycopersicum when load per well is increased to 10-15 µg/well.