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This product is **for research use only** (not for diagnostic or therapeutic use) **contact: support@agrisera.com**

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**Product no AS15 3102**

# Anti-PPR | Pentatricopeptide repeat-containing protein (chloroplastic) (SOT1)

## Product information

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|---|---|
| **Immunogen** | KLH-conjugated peptide derived from *Arabidopsis thaliana* SOT 1 sequence, Uniprot: Q9LS25, TAIR: At5g46580 |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Purity** | Serum |
| **Format** | Lyophilized |
| **Quantity** | 50 µl |
| **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

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| **Recommended dilution** | 1 : 1000 (WB) |
| **Expected \| apparent MW** | 80 \| 73.5 kDa |
| **Confirmed reactivity** | *Arabidopsis thaliana* |
| **Predicted reactivity** | *Arabidopsis lyrata, Capsella rubella*<br><br>Species of your interest not listed? Contact us |
| **Not reactive in** | *Zea mays* |
| **Additional information** | This antibody is required to be used on chloroplast fraction. There is no signal in the total cell extract |

Total protein (first 2 lanes to the left) or chloroplast protein (2 lanes to the right) of *Arabidopsis thaliana* were extracted with 100 mM Tris–HCl, pH 8.0, 150 mM NaCl, 1 mM EDTA, 0.5% Triton X-100, 1 mM DTT, 1 mM PMSF, protease inhibitor cocktail, denatured with Laemmli buffer (62.5 mM Tris–HCl pH 6.8, 2% SDS, 10% glycerol, 100 mM DTT, 0.1% -mercaptoethanol) at 95°C 5 min and separated on 8% SDS-PAGE and blotted 1h to PVDF, using wet transfer. Blot was blocked with 5% milk for 1h/RT or 4°C/ON with agitation. Blot was incubated in the primary antibody at a dilution of 1: 2 000 for 1h/RT with agitation in TBS-T. The antibody solution was decanted and the blot was washed 3 times for 10 min in TBS-T at RT with agitation. Blot was incubated in Calbiochem matching secondary antibody (anti-rabbit IgG horse radish peroxidase conjugated) diluted to 1:25 000 in for 1h/RT with agitation. The blot was washed as above and developed for 10 min with Clarity Western ECL Substrate (Biorad) and visualised with chemiluminescence CCD camera Fluorchem SP (Gel Biosciences). Exposure time was 1-5 minutes.

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Courtesty of Dr. Aleksandra Kwaśnik, University of Warsaw, Poland