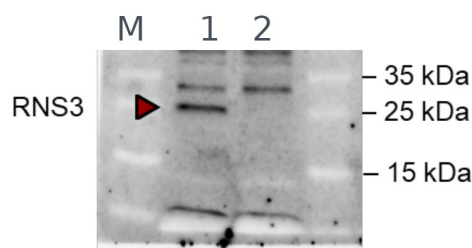


Product no **AS22 4859****Anti-RNS3 | Ribonuclease 3****Product information**

|                       |                                                                                                                                                                                                                                                                                         |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Immunogen</b>      | KLH-conjugated peptide derived from Arabidopsis thaliana RNS3 protein sequence, UniProt: <a href="#">P42815</a> TAIR: <a href="#">AT1G26820</a>                                                                                                                                         |
| <b>Host</b>           | Rabbit                                                                                                                                                                                                                                                                                  |
| <b>Clonality</b>      | Polyclonal                                                                                                                                                                                                                                                                              |
| <b>Purity</b>         | Antigen affinity purified serum, in PBS pH 7.4                                                                                                                                                                                                                                          |
| <b>Format</b>         | Lyophilized                                                                                                                                                                                                                                                                             |
| <b>Quantity</b>       | 50 µg                                                                                                                                                                                                                                                                                   |
| <b>Reconstitution</b> | For reconstitution, add 50 µl of sterile or deionized water.                                                                                                                                                                                                                            |
| <b>Storage</b>        | Store lyophilized/reconstituted at -20°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. |

**Application information**

|                               |                                                                                          |
|-------------------------------|------------------------------------------------------------------------------------------|
| <b>Recommended dilution</b>   | 1 : 1000 (WB)                                                                            |
| <b>Expected   apparent MW</b> | 25.6   23.3 kDa (due to N-terminal processing)                                           |
| <b>Confirmed reactivity</b>   | <i>Arabidopsis thaliana</i>                                                              |
| <b>Predicted reactivity</b>   | <i>Brassica napus</i><br>Species of your interest not listed? <a href="#">Contact us</a> |
| <b>Not reactive in</b>        | No confirmed exceptions from predicted reactivity are currently known                    |
| <b>Selected references</b>    | To be added when available, antibody available in November 2025.                         |

**Samples:**

M - MW markers

1 - 20 µg of *Arabidopsis thaliana* whole leaf extract2 - 20 µg of *Arabidopsis thaliana* mutant,  $\Delta$  *rns3*

20 µg/well of total protein extracted freshly from *Arabidopsis thaliana* rosette leaves. Exact buffer components were: 150 mM NaCl, 50 mM Tris-HCl pH 7.5, 0.1% NP-40, 1% Protease inhibitor cocktail, 1% DPDS; and denatured with loading buffer (5% 2-Mercaptoethanol, 60 mM Tris-HCl pH 6.8, 2% SDS, 10 % Glycerol, 0.001 % bromophenol blue) at 95°C / 5 min. Samples were separated in the cold on 4-20 % SDS-PAGE and blotted for 1 h to nitrocellulose (pore size of 0.45 µm), using: wet transfer in the cold. Blot was blocked with 5 % milk for: 1h/RT with agitation. Blot was incubated in the primary antibody at a dilution of 1: 1000 ON/4°C with agitation in TBS-T. 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 matching secondary antibody (anti-rabbit IgG horse radish peroxidase conjugated) diluted to 1: 10 000 in 5% milk in TBS-T for 1h/RT with agitation. The blot was washed as above and developed with a following chemiluminescent detection reagent. Exposure time was 2 minutes.

Note: Background signal can be optimized by primary antibody incubation 1h/RT and blocking with 5 % non-fat milk ON/4°C.

Courtesy of Dr. Lucía Borniego, Innes Lab, Indiana University Bloomington, USA