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SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Agrisera

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 4268**

RPN12a | 26S proteasome regulatory subunit RPN12a

Product information

Immunogen	Recombinant, full length RPN12a of <i>Arabidopsis thaliana</i> protein sequence UniProt: Q9SGW3-1 , TAIR: At1g64520 , overexpressed in <i>E.coli</i>
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 (short term, months) or at -80°C (long term, years) ; 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

Recommended dilution	1 : 3000 (WB)
Expected apparent MW	30.7 30 kDa
Confirmed reactivity	<i>Arabidopsis thaliana</i>
Not reactive in	No confirmed exceptions from predicted reactivity are currently known
Additional information	<p>Certain proportion of both wild-type transcript and protein is still produced in the <i>rpn12a -1</i> mutant, see Figures 2B and 2C Smalle et al. (2002), PVDF membrane instead of nitrocellulose, and use the primary antibody at a 1:3000 dilution in 1% non-fat dry milk in PBS, performing just a 1 hour incubation at room temperature, so those adjustments to the protocol may also help reduce the background and increase signal intensity.</p> <p>Recommended Western blot conditions: protein load: 10-20 µg/well, membrane: PVDF membrane, blocking with 10% nonfat milk 1h/RT, antibody incubation buffer: PBS-T. Primary antibody dilution: 1: 3000 in PBS with non-fat dry milk incubation RT/1h, optimisation based on obtained result regarding signal/noise ratio. For high resolution images, please visit the specific product page at www.agrisera.com</p>
Selected references	Smalle et al. (2002) . Cytokinin growth responses in Arabidopsis involve the 26S proteasome subunit RPN12. Plant Cell 14, 17-32.