

Product no **AS19 4265****Anti-RPN5a | 26S proteasome regulatory subunit, putative (RPN5)****Product information**

<b>Immunogen</b>	Recombinant RPN5a of <i>Arabidopsis thaliana</i> UniProt: <a href="#">F4KFD7-1</a> , TAIR: <a href="#">At5g09900</a> , overexpressed in <i>E.coli</i> , purified from a gel piece
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Purity</b>	Serum
<b>Format</b>	Lyophilized
<b>Quantity</b>	50 µl
<b>Reconstitution</b>	For reconstitution add 50 µl, of sterile water
<b>Storage</b>	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 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**

<b>Recommended dilution</b>	1 : 5000 (WB)
<b>Expected   apparent MW</b>	52.7   50 kDa
<b>Confirmed reactivity</b>	<i>Arabidopsis thaliana</i>
<b>Predicted reactivity</b>	<i>Glycine soja</i> , <i>Gossypium arboreum</i> , <i>Juglans regia</i> , <i>Morus notabilis</i> , <i>Noccaea caerulea</i> , <i>Theobroma cacao</i> 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>Additional information</b>	This antibody is also recognizing RPN5b. Recommended protein load is 20 µg/well, primary antibody dilution: 1: 1000 ON/4°C and optimisation based on obtained result regarding signal/noise ratio.
<b>Selected references</b>	<a href="#">Pang</a> et al. (2025). The adaptor protein AP-3 disassembles heat-induced stress granules via 19S regulatory particle in <i>Arabidopsis</i> . <i>Nat Commun.</i> 2025 Feb 27;16(1):2039. doi: 10.1038/s41467-025-57306-7. <a href="#">Xie</a> et al. (2024). Proteasome resides in and dismantles plant heat stress granules constitutively. <i>Mol Cell.</i> 2024 Sep 5;84(17):3320-3335.e7. doi: 10.1016/j.molcel.2024.07.033. <a href="#">Smalle</a> et al. (2002). Cytokinin growth responses in <i>Arabidopsis</i> involve the 26S proteasome subunit RPN12. <i>Plant Cell</i> 14, 17-32.