

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

Immunogen	Recombinant RPN5a of <i>Arabidopsis thaliana</i> UniProt: F4KFD7-1 , TAIR: At5g09900 , overexpressed in <i>E.coli</i> , purified from a gel piece
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 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

Recommended dilution	1 : 5000 (WB)
Expected apparent MW	52.7 50 kDa
Confirmed reactivity	<i>Arabidopsis thaliana</i>
Predicted reactivity	<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? Contact us
Not reactive in	No confirmed exceptions from predicted reactivity are currently known
Additional information	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.
Selected references	Pang et al. (2025). The adaptor protein AP-3 disassembles heat-induced stress granules via 19S regulatory particle in Arabidopsis. Nat Commun. 2025 Feb 27;16(1):2039. doi: 10.1038/s41467-025-57306-7. Xie et al. (2024). Proteasome resides in and dismantles plant heat stress granules constitutively. Mol Cell. 2024 Sep 5;84(17):3320-3335.e7. doi: 10.1016/j.molcel.2024.07.033. Smalle et al. (2002). Cytokinin growth responses in Arabidopsis involve the 26S proteasome subunit RPN12. Plant Cell 14, 17-32.