

Product no **AS19 4258****Anti-PAC1 | 20S Proteasome alpha subunit C1****Product information**

Immunogen	Recombinant PAC1 of <i>Arabidopsis thaliana</i> , UniProt: O81148-1 , TAIR: At3g22110 , 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 : 3000 (WB)
Expected apparent MW	27.4 26 kDa
Confirmed reactivity	<i>Arabidopsis thaliana</i>
Not reactive in	No confirmed exceptions from predicted reactivity are currently known
Additional information	Recommended western blot conditions: SDS-PAGE, transfer to nitrocellulose, blocking 10% non-fat milk. Diluent for both primary and secondary antibodies PBS containing 0.2% Tween 20 and 1% BSA. For an image of western blot detection, refer to: Smalle et al. (2002) .
Selected references	Pang 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. Xie 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. Smalle et al. (2002) . Cytokinin growth responses in <i>Arabidopsis</i> involve the 26S proteasome subunit RPN12. <i>Plant Cell</i> 14, 17-32.