

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

<b>Immunogen</b>	Recombinant PAC1 of <i>Arabidopsis thaliana</i> , UniProt: <a href="#">O81148-1</a> , TAIR: <a href="#">At3g22110</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 : 3000 (WB)
<b>Expected   apparent MW</b>	27.4   26 kDa
<b>Confirmed reactivity</b>	<i>Arabidopsis thaliana</i>
<b>Not reactive in</b>	No confirmed exceptions from predicted reactivity are currently known
<b>Additional information</b>	<p><b>Recommended western blot conditions:</b> 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.</p> <p>For an image of western blot detection, refer to: <a href="#">Smalle</a> et al. (2002).</p>
<b>Selected references</b>	<p><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.</p> <p><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.</p> <p><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.</p>