

Product no **AS19 4262****RPT2a | Regulatory particle triple-A ATPase subunit 2a****Product information**

<b>Immunogen</b>	Recombinant, full length RPT2a of <i>Arabidopsis thaliana</i> RPT2a protein sequence UniProt: <a href="#">Q9SZD4-1</a> , TAIR: <a href="#">At4g29040</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>	49,4   50 kDa
<b>Confirmed reactivity</b>	<i>Arabidopsis thaliana</i>
<b>Predicted reactivity</b>	<i>Brassica napus</i> , <i>Cajanus cajan</i> , <i>Gossypium hirsutum</i> , <i>Mucuna pruriens</i> , <i>Noccaea caerulea</i> , <i>Vigna radiata</i> var. <i>radiata</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 RPT2b protein.  <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.  For an image of western blot detection, refer to: <a href="#">Smalle</a> et al. (2002).
<b>Selected references</b>	<a href="#">Meng</a> , Wang, Hao, et al. (2023) RNA-binding protein MAC5A interacts with the 26S proteasome to regulate DNA damage response in Arabidopsis. <i>Plant Physiol.</i> 2023;191(1):446-462. doi:10.1093/plphys/kiac511 <a href="#">Smalle</a> et al. (2002). Cytokinin growth responses in Arabidopsis involve the 26S proteasome subunit RPN12. <i>Plant Cell</i> 14, 17-32.