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Product no AS19 4264

Anti-RPN1a 26S proteasome regulatory subunit RPN1a

Product information

Immunogen	Recombinant, full-length *Arabidopsis thaliana* RPN1a protein sequence UniProt: Q9SIV2-1, TAIR: At2g20580 overexpressed in *E.coli*, 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 tem, 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 : 1000 (WB)
Expected | apparent MW	98.1 | 100 kDa
Confirmed reactivity	*Arabidopsis thaliana*
Predicted reactivity	*Actinidia chinensis var. chinensis, Artemisia annua, Brassica napus, Brassica oleracea var. oleracea, Cajanus cajan, Capsella rubella, Capsicum baccatum, Cephalotus follicularis, Cicer arietinum, Citrus clementina, Corchorus capsularis, Cucumis melo, Cucumis sativus, Eucalyptus grandis, Eutrema salsugineum, Fagus sylvatica, Glycine max, Gossypium raimondii, Helianthus annuus, Jatropha curcas, Lactuca sativa, Lupinus angustifolius, Macleaya cordata, Medicago truncatula, Mucuna pruriens, Nelumbo nucifera, Nicotiana attenuata, Nicotiana sylvestris, Nicotiana tabacum, Noccaea caerulescens, Phaseolus vulgaris, Populus trichocarpa, Prunus persica, Punica granatum, Ricinus communis, Rosa chinensis, Solanum tuberosum, Theobroma cacao, Trifolium pratense, Vitis vinifera* Species of your interest not listed? Contact us
Not reactive in	No confirmed exceptions from predicted reactivity are currently known
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. Meng, Wang, Hao, et al. (2023) RNA-binding protein MAC5A interacts with the 26S proteasome to regulate DNA damage response in Arabidopsis. Plant Physiol. 2023;191(1):446-462. doi:10.1093/plphys/kiac510 Yang et al. (2004). Purification of the Arabidopsis 26 S proteasome: biochemical and molecular analyses revealed the presence of multiple isoforms. J Biol Chem. 2004 Feb 20;279(8):6401-13.