Anti-Drosophila 26S proteasome subunit Rpn10, N-terminal antibody

Catalog: PHY0102S

Product Information

Description:	Rabbit polyclonal antibody
Background:	Two canonical subunits of the 26S proteasome, Rpn10 and Rpn13 (AT2G26590), function as ubiquitin (Ub) receptors.Drosophila 26S proteasome subunit Rpn10 plays a major role in both the direct and indirect recognition of ubiquitinated substrates of ubiquitin/26S proteasome-mediated proteolysis (UPP).
Synonyms:	Rpn10, 26S proteasome non-ATPase regulatory subunit 4 homolog, 26S proteasome regulatory subunit RPN10, AtRPN10; 26S proteasome regulatory subunit S5A homolog, Multiubiquitin chain-binding protein 1, AtMCB1, ATMCB1, MBP1, MCB1, MULTIUBIQUITIN CHAIN BINDING PROTEIN 1, MULTIUBIQUITIN-CHAIN-BINDING PROTEIN 1, REGULATORY PARTICLE NON-ATPASE 10, RPN10
Immunogen:	KLH-conjugated synthetic peptide (15 aa from N terminal section) derived from *Arabidopsis thaliana* Rpn10 (AT4G38630).
Form:	Lyophilized
Quantity:	150 µg
Purification:	Serum Peptide affinity form antibody available upon request at info@phytoab.com.
Reconstitution:	Reconstitution with 150 µl of sterile water. "Note: please spin tube briefly prior to opening it to avoid any losses that might occur from lyophilized material adhering to the cap or sides of the tube".
Stability &Storage:	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70℃ as supplied. 6 months, -20 to -70℃ under sterile conditions after reconstitution. 1 month, 2 to 8℃ under sterile conditions after reconstitution.
Shipping:	The product is shipped at 4℃. Upon receipt, store it immediately at the temperature recommended above.

Application Information

Recommended Dilution: Western Blot (1:1000-1:5000)

Note: Optimal dilutions/concentrations should be determined by the end user.

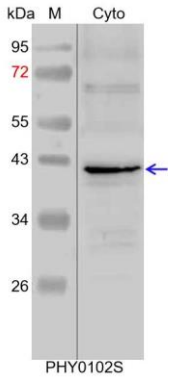
Expected / apparent MW: 41 kDa

Confirmed Reactivity: *Arabidopsis thaliana*

Predicted Reactivity: Among species analyzed, the sequence of the synthetic peptide used for immunization is 100% homologues with the sequence in *Glycine max*, *Brassica napus*, *Populus trichocarpa*, *Triticum aestivum*, *Hordeum vulgare*, *Medicago truncatula*, *Oryza sativa*, *Gossypium raimondii*, *Brassica rapa*, and 80-99% homologues with the sequence in *Solanum tuberosum*, *Vitis vinifera*, *Zea mays*, *Physcomitrium patens*, *Setaria viridis*, *Solanum lycopersicum*, *Panicum virgatum*, *Spinacia oleracea*, *Cucumis sativus*, *Sorghum bicolor*, *Nicotiana tabacum*.

For more species homologues information, please contact tech support at tech@phytoab.com.

Application Example



Cyto: 30 µl cytosolic protein from *Arabidopsis thaliana*.

Electrophoresis: 15% SDS-PAGE

Transfer: blotting to NC (nitrocellulose) membrane for 1 h.

Blocking: 5% skim milk at RT or 4℃ for 1 h.

Primary antibody: 1:5000 dilution overnight at 4℃.

Secondary antibody: 1:10000 dilution using Goat Anti-Rabbit IgG H&L(HRP) (Cat# PHY6000).

Detection: using chemiluminescence substrate and image were captured with CCD camera.