

Anti-20S proteasome β subunit 1 antibody

Catalog: PHY2479S

Product Information

Description:	Rabbit polyclonal antibody
Background:	The plant 20S proteasome β subunit 1 (PBA1) was shown to have caspase-3-like activity using biotin-DEVD-fmk pull-down and activity assay in downregulated lines.
Synonyms:	PBA1
Immunogen:	KLH-conjugated synthetic peptide (15 aa from N terminal section) derived from <i>Arabidopsis thaliana</i> PBA1 (AT4G31300).
Form:	Lyophilized
Quantity:	150 μ g
Purification:	Serum
Reconstitution:	Peptide affinity form antibody available upon request at info@phytoab.com . Reconstitution with 150 μ l 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°C as supplied. 6 months, -20 to -70°C under sterile conditions after reconstitution. 1 month, 2 to 8°C under sterile conditions after reconstitution.
Shipping:	The product is shipped at 4°C. 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:	25 kDa
Predicted Reactivity:	Among species analyzed, the sequence of the synthetic peptide used for immunization is 100% homologues with the sequence in <i>Nicotiana tabacum</i> , <i>Solanum lycopersicum</i> , <i>Solanum tuberosum</i> , <i>Brassica</i>

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rapa, Cucumis sativus, Brassica napus, Medicago truncatula, Physcomitrium patens, and 80-99% homologues with the sequence in *Spinacia oleracea, Vitis vinifera, Triticum aestivum, Oryza sativa, Panicum virgatum, Sorghum bicolor, Setaria viridis, Zea mays, Hordeum vulgare, Gossypium raimondii, Populus trichocarpa*. For more species homologues information, please contact tech support at tech@phytoab.com.