

Anti-Prohibitin-1, mitochondrial antibody

Catalog: PHY1034S

Product Information

Description:	Rabbit polyclonal antibody
Background:	Prohibitins (PHBs) are highly conserved proteins belonging to the large SPFH (stomatin, prohibitin, flotillin and HflKC) superfamily. The PHB family of proteins includes two members, termed prohibitin 1 (PHB1)(AT4G28510) and prohibitin 2 (PHB2)(AT1G03860). Both proteins are highly homologous and interdependent: disruption of one homolog results in the destabilization and rapid degradation of the other. Most genomes contain two PHB genes (for PHB1 and PHB2, respectively).
Synonyms:	PHB1, AtPHB1, PROHIBITIN 1
Immunogen:	KLH-conjugated synthetic peptide (17 aa from C terminal section) derived from <i>Arabidopsis thaliana</i> PHB1 (AT4G28510).
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°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 (1:1000-1:2000) Note: Optimal dilutions/concentrations should be determined by the end user.
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Research Use Only

Expected / apparent MW: 32 kDa

Confirmed Reactivity: Coming soon

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

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