Anti-Gamma carbonic anhydrase 1/3, mitochondrial antibody

Catalog: PHY3701S

Product Information

Description:	Rabbit polyclonal antibody
Background:	Complex I is the largest protein complex of the oxidative phosphorylation system in mitochondrial and it catalyzes NADH-quinone oxidoreduction. Complex I represents the main entrance site for electrons into the respiratory electron transfer chain. In Arabidopsis, Complex I have at least 49 subunits and CA3 (AT5G66510) is one of the subunit. CA2 (AT1G47260) and CA1 (AT1G19580) are also the subunits of Complex I.
Synonyms:	GAMMA CA1/3, GAMMA CARBONIC ANHYDRASE 1/3, CA1/3
Immunogen:	KLH-conjugated synthetic peptide (14 aa from N terminal section) derived from *Arabidopsis thaliana* GAMMA CA1 (AT1G19580) and GAMMA CA3 (AT5G66510).
Form:	Lyophilized
Quantity:	150 μg
Purification:	Serum Peptide affinity form antibody available upon request at info@phytoab.com.
Reconstitution:	Reconstitution with 150μl 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 (1:1000-1:2000) Note: Optimal dilutions/concentrations should be determined by the end user.

Expected / apparent MW: 30 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 napus, Zea mays, Gossypium raimondii, Populus trichocarpa, Nicotiana tabacum, Cucumis sativus, Solanum tuberosum, Solanum lycopersicum, Brassica rapa, Hordeum vulgare, Setaria viridis, Sorghum bicolor, Oryza sativa, Spinacia oleracea, Panicum virgatum,* and 80-99% homologues with the sequence in *Spinacia oleracea, Vitis vinifera, Physcomitrium patens, Glycine max, Medicago truncatula*.
For more species homologues information, please contact tech support at tech@phytoab.com.