

Anti-Ubiquinol oxidase 4, chloroplastic/chromoplastic antibody

Catalog: PHY0662S

Product Information

Description:	Rabbit polyclonal antibody
Background:	Plastid terminal oxidase (PTOX) is a plastoquinol oxidase in thylakoid membranes. It acts early in chloroplast biogenesis as a component of a redox chain responsible for phytoene desaturation.
Synonyms:	PTOX, IM, IM1, IMMUTANS, PLASTID TERMINAL OXIDASE
Immunogen:	KLH-conjugated synthetic peptide (15 aa from C terminal section) derived from <i>Arabidopsis thaliana</i> PTOX (AT4G22260).
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 (1:1000-1:5000) Note: Optimal dilutions/concentrations should be determined by the end user.
Expected / apparent MW:	41 kDa
Confirmed Reactivity:	Coming soon
Predicted Reactivity:	Among species analyzed, the sequence of the synthetic peptide used

Research Use Only

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

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