

Anti-Phosphoserine aminotransferase 1/2, chloroplastic antibody

Catalog: PHY2301A

Product Information

Description:	Rabbit polyclonal antibody
Background:	Phosphoserine aminotransferase 1/2 involved in the plastidial phosphorylated pathway of serine biosynthesis (PPSB). It catalyzes the reversible conversion of 3-phosphohydroxypyruvate to phosphoserine.
Synonyms:	PSAT1/2, PHOSPHOSERINE AMINOTRANSFERASE 1/2
Immunogen:	KLH-conjugated synthetic peptide (16 aa from C terminal section) derived from <i>Arabidopsis thaliana</i> PSAT1 (AT4G35630) and PSAT2 (AT2G17630).
Form:	Lyophilized
Quantity:	150 µg
Purification:	Immunogen affinity purified
Reconstitution:	Reconstitution with 150 µl of 0.01 M sterile PBS. "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.
Expected / apparent MW:	47 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 <i>Brassica rapa</i> , and 80-99% homologues with the sequence in <i>Brassica napus</i> ,

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Cucumis sativus, Brassica rapa, Vitis vinifera, Glycine max, Solanum tuberosum, Solanum lycopersicum, Gossypium raimondii, Medicago truncatula, Hordeum vulgare, Triticum aestivum, Populus trichocarpa, Panicum virgatum, Zea mays, Oryza sativa, Setaria viridis, Panicum virgatum, Nicotiana tabacum, Spinacia oleracea.

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