

Anti-15-cis-phytoene synthase antibody

Catalog: PHY7207S

Product Information

Description:	Rabbit polyclonal antibody
Background:	PSY is the rate-limiting enzyme in the carotenoid biosynthetic pathway and that interacts with the ORANGE (OR) protein.
Synonyms:	PSY, PHYTOENE SYNTHASE
Immunogen:	KLH-conjugated synthetic peptide (17 aa from C terminal section) derived from <i>Arabidopsis thaliana</i> PSY (AT5G17230).
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:	49 kDa
Predicted Reactivity:	Among species analyzed, the sequence of the synthetic peptide used for immunization is 100% homologues with the sequence in <i>Solanum lycopersicum</i> , <i>Brassica rapa</i> , <i>Nicotiana tabacum</i> , <i>Solanum tuberosum</i> , <i>Physcomitrium patens</i> , <i>Populus trichocarpa</i> , <i>Medicago</i>

Research Use Only

truncatula, *Brassica napus*, *Glycine max*, *Spinacia oleracea*,
Panicum virgatum, *Setaria viridis*, *Cucumis sativus*, and 80-99%
homologues with the sequence in *Vitis vinifera*.

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