

# Anti-Probable sucrose-phosphate synthase 4 antibody

Catalog: PHY2119S

## Product Information

<b>Description:</b>	Rabbit polyclonal antibody
<b>Background:</b>	OsSPS4F plays a role in photosynthetic sucrose synthesis by catalyzing the rate-limiting step of sucrose biosynthesis from UDP-glucose and fructose-6-phosphate. It involved in the regulation of carbon partitioning in the leaves of plants. It may regulate the synthesis of sucrose and therefore play a major role as a limiting factor in the export of photoassimilates out of the leaf. It plays a role for sucrose availability that is essential for plant growth and fiber elongation.
<b>Synonyms:</b>	SPS4, sps8
<b>Immunogen:</b>	Recombinant protein of SPS4 (1-1066 aa) derived from <i>Oryza sativa</i> Os08g0301500.
<b>Form:</b>	Lyophilized
<b>Quantity:</b>	150 µg
<b>Purification:</b>	Serum
<b>Reconstitution:</b>	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".
<b>Stability &amp; Storage:</b>	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.
<b>Shipping:</b>	The product is shipped at 4°C. Upon receipt, store it immediately at the temperature recommended above.

## Application Information

<b>Recommended Dilution:</b>	Western Blot (1:1000-1:2000) Note: Optimal dilutions/concentrations should be determined by the end user.
<b>Expected / apparent MW:</b>	119 kDa

Research Use Only

**Predicted Reactivity:**

For more species homologues information, please contact tech support at [tech@phytoab.com](mailto:tech@phytoab.com).