

# Anti-OsPsbQ antibody

Catalog: PHY4458S

## Product Information

|                        |                                                                                                                                                                                                               |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Description:</b>    | Rabbit polyclonal antibody                                                                                                                                                                                    |
| <b>Background:</b>     | Os07g0544800                                                                                                                                                                                                  |
| <b>Synonyms:</b>       | Os07g0544800                                                                                                                                                                                                  |
| <b>Immunogen:</b>      | KLH-conjugated synthetic peptide (15 aa from Central section) derived from <i>Oryza sativa</i> Os07g0544800.                                                                                                  |
| <b>Form:</b>           | Lyophilized                                                                                                                                                                                                   |
| <b>Quantity:</b>       | 150 µg                                                                                                                                                                                                        |
| <b>Purification:</b>   | Serum                                                                                                                                                                                                         |
|                        | Peptide affinity form antibody available upon request at <a href="mailto:info@phytoab.com">info@phytoab.com</a> .                                                                                             |
| <b>Reconstitution:</b> | Reconstitution with 150 µl of sterile water.<br>"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;</b> | Use a manual defrost freezer and avoid repeated freeze-thaw cycles.                                                                                                                                           |
| <b>Storage:</b>        | 12 months from date of receipt, -20 to -70°C as supplied.<br>6 months, -20 to -70°C under sterile conditions after reconstitution.<br>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

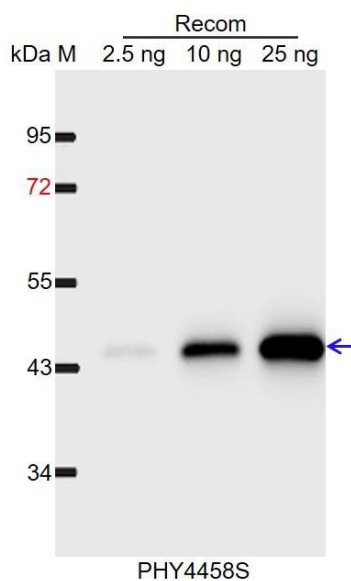
|                                |                                                                                                                                                                                                                                                                                                                                                      |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Recommended Dilution:</b>   | Western Blot (1:1000-1:2000)<br>Note: Optimal dilutions/concentrations should be determined by the end user.                                                                                                                                                                                                                                         |
| <b>Expected / apparent MW:</b> | 23 kDa                                                                                                                                                                                                                                                                                                                                               |
| <b>Predicted Reactivity:</b>   | Among species analyzed, the sequence of the synthetic peptide used for immunization is 80-99% homologues with the sequence in <i>Zea mays</i> , <i>Vitis vinifera</i> , <i>Populus trichocarpa</i> , <i>Panicum virgatum</i> , <i>Setaria viridis</i> , <i>Cucumis sativus</i> , <i>Gossypium raimondii</i> , <i>Vitis vinifera</i> , <i>Glycine</i> |

Research Use Only

*max*, *Medicago truncatula*, *Solanum tuberosum*, *Solanum lycopersicum*.

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

## Application Example



Recom: 2.5 ng, 10 ng and 25 ng recombinant protein containing the peptide for immunization and having a molecular mass of 45 kDa.

**Electrophoresis:** 12% SDS-PAGE

**Transfer:** blotting to NC (nitrocellulose) membrane for 1 h.

**Blocking:** 5% skim milk at RT or 4°C for 1 h.

**Primary antibody:** 1:1000 dilution overnight at 4°C.

**Secondary antibody:** 1:10000 dilution using Goat Anti-Rabbit IgG H&L (HRP) (Cat# PHY6000).

**Detection:** using chemiluminescence substrate and image were captured with CCD camera.