

Anti-Glutamine synthetase cytosolic isozyme 1-1 antibody

Catalog: PHY4567S

Product Information

Description:	Rabbit polyclonal antibody
Background:	GLN1-1 seems to be a major component of the cytosolic glutamine synthetic pathway in leaf blades. It plays an important role in maintaining carbon and nitrogen metabolic balance during ammonium assimilation in shoots and roots, thus controlling plant growth and development.
Synonyms:	GLN1-1, GLN1;1, OsGLN1;1, GS1, RGS28, OsGS1;1, GS1;1, OsGS, OsGS1, OsGS1-1, GS1-1, GS1.1, OsGS1.1
Immunogen:	KLH-conjugated synthetic peptide (19 aa from N terminal section) derived from <i>Oryza sativa</i> GLN1-1 (Os02g0735200).
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 (1:1000-1:2000) Note: Optimal dilutions/concentrations should be determined by the end user.
Expected / apparent MW:	39 kDa

Research Use Only

Predicted Reactivity:

Among species analyzed, the sequence of the synthetic peptide used for immunization is 100% homologues with the sequence in *Panicum virgatum*, *Zea mays*, *Setaria viridis*, *Sorghum bicolor*, and 80-99% homologues with the sequence in *Nicotiana tabacum*, *Cucumis sativus*, *Gossypium raimondii*, *Triticum aestivum*, *Hordeum vulgare*, *Vitis vinifera*, *Arabidopsis thaliana*, *Brassica napus*, *Brassica rapa*, *Populus trichocarpa*, *Medicago truncatula*, *Glycine max*, *Solanum tuberosum*, *Solanum lycopersicum*.

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