

Anti-Cytosolic fructose-1,6 bisphosphatase, N-terminal antibody

Catalog: PHY3095A

Product Information

Description:	Rabbit polyclonal antibody
Background:	Fructose-1,6-bisphosphatase catalyzes the formation of fructose-6-phosphate for sucrose biosynthesis, it appears to play a role in fructose-mediated signaling that is independent of its enzymatic activity. During the photosynthesis, two isoforms of the fructose-1,6-bisphosphatase (FBPase), the chloroplastidial (cFBP1) (AT3G54050) and the cytosolic (cyFBP) (AT1G43670), catalyse the first irreversible step during the conversion of triose phosphates (TP) to starch or sucrose, respectively.
Synonyms:	cFBPase, ATCFBP, CYFBP, FBP, FINS1, FRUCTOSE INSENSITIVE 1, FRUCTOSE-1,6-BISPHOSPHATASE
Immunogen:	KLH-conjugated synthetic peptide (16 aa from N terminal section) derived from <i>Arabidopsis thaliana</i> cFBPase (AT1G43670).
Form:	Lyophilized
Quantity:	150 µg
Purification:	Immunogen affinity purified
Reconstitution:	Reconstitution with 150µl 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.
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Research Use Only

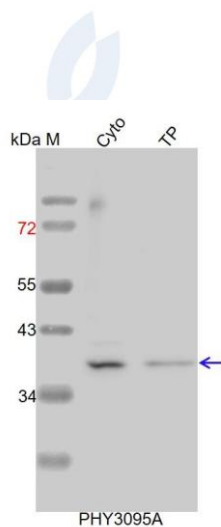
Expected / apparent MW: 37 kDa

Confirmed Reactivity: *Arabidopsis thaliana*

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

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

Application Example



Cyto: 15 µg cytosolic protein from *Arabidopsis thaliana*.

TP: 20 µg total protein from *Arabidopsis thaliana*.

Electrophoresis: 15% 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: 1:2000 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.