Anti-fructose-bisphosphate aldolase 6/8 antibody

Catalog: PHY0156A

Product Information

Description:	Rabbit polyclonal antibody
Background:	Fructose 1,6-biphosphate aldolase (FBA) is Aldolase superfamily protein. It is a key enzyme in plants, which is involved not only in glycolysis and gluconeogenesis in the cytoplasm, but also in the Calvin cycle in plastids. In the current study, eight FBA family genes (AtFBA1-8) were identified and analyzed in *Arabidopsis thaliana*: FBA1 (AT2G21330), FBA2 (AT4G38970), FBA3 (AT2G01140), FBA4 (AT5G03690), FBA5 (AT4G26530), FBA6 (AT2G36460), FBA7 (AT4G26520), FBA8 (AT3G52930).
Synonyms:	FBA6/8, ALD
Immunogen:	KLH-conjugated synthetic peptide of FBA6/8 derived from *Arabidopsis thaliana* AT2G36460, AT3G52930.
Form:	Lyophilized
Quantity:	150 µg
Purification:	Immunogen affinity purified
Reconstitution:	Reconstitution with 150 µl of 0.01M 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℃ as supplied. 6 months, -20 to -70℃ under sterile conditions after reconstitution. 1 month, 2 to 8℃ under sterile conditions after reconstitution.
Shipping:	The product is shipped at 4℃. 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:	38 kDa

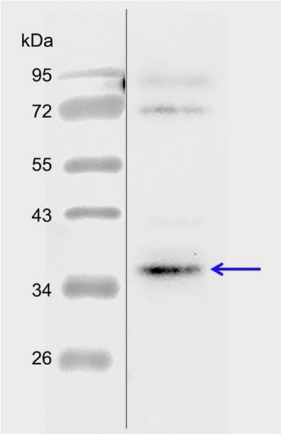
Confirmed Reactivity: *Arabidopsis thaliana*

Predicted Reactivity: Among species analyzed, the sequence of the synthetic peptide used for immunization is100% homologues with the sequence in *Brassica rapa*, *Oryza sativa Japonica Group*, *Nicotiana tabacum*, *Populus trichocarpa*, *Solanum tuberosum*, *Brassica napus*, *Solanum lycopersicum*, *Physcomitrium patens*, *Zea mays*, and 80-99% homologues with the sequence in *Gossypium raimondii*, *Cucumis sativus*, *Vitis vinifera.*

The sequence of the synthetic peptide used for immunization is 93% homologues with the sequence in FBA5 (AT4G26530), FBA4 (AT5G03690); and 86% homologues with the sequence in FBA3 (AT2G01140), FBA2 (AT4G38970), FBA1 (AT2G21330).

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

Application Example



PHY0156A

15 µl cytosolic 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℃ for 1 h.

Primary antibody: 1:2000 dilution overnight at 4℃.

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.