

Anti-Aquaporin PIP2;1/2/3, C-terminal antibody

Catalog: PHY3172S

Product Information

Description:	Rabbit polyclonal antibody
Background:	PIP2;1(AT3G53420) /PIP2;2(AT2G37170) /PIP2;3(AT2G37180) are members of the plasma membrane intrinsic protein PIP2. functions as aquaporin and is involved in desiccation. Water channel required to facilitate the transport of water across cell membrane; mercury-insensitive.
Synonyms:	PIP2;1/2/3, PIP2-1/2/3, PIP2A/B/C, PLASMA MEMBRANE INTRINSIC PROTEIN 2;1/2/3,
Immunogen:	KLH-conjugated synthetic peptide (15 aa from C terminal section) derived from <i>Arabidopsis thaliana</i> PIP2;1 (AT3G53420), PIP2;2 (AT2G37170) and PIP2;3 (AT2G37180).
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 &	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
Storage:	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.
Reference:	Pierre Martre, et al., Plant Physiol. Vol. 130, December 2002, 2101-2110.

Application Information

Recommended Dilution:	Western Blot (1:1000-1:2000) Note: Optimal dilutions/concentrations should be determined by the end user.
Expected / apparent MW:	30 kDa

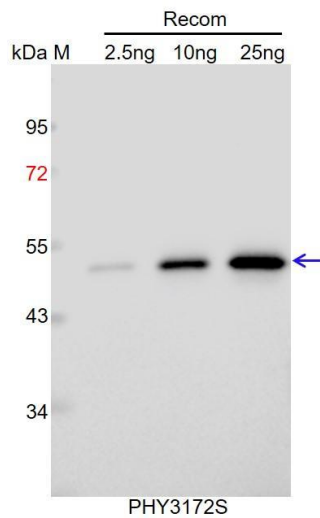
Research Use Only

Predicted Reactivity:

Among species analyzed, the sequence of the synthetic peptide used for immunization is 100% homologues with the sequence in *Brassica napus*, *Brassica rapa*, and 80-99% homologues with the sequence in *Gossypium raimondii*.

For more species homologues information, please contact tech support at 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 47 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.