

Anti-AT2G44920 antibody

Catalog: PHY2671S

Product Information

Description:	Rabbit polyclonal antibody
Background:	AT2G44920 is a pentapeptide-repeat protein (PRP) composed of 25 repeats capped by N- and C-terminal α -helices.
Synonyms:	AT2G44920
Immunogen:	KLH-conjugated synthetic peptide (15 aa from Central section) derived from <i>Arabidopsis thaliana</i> (AT2G44920).
Form:	Lyophilized
Quantity:	150 μ g
Purification:	Serum Peptide affinity form antibody available upon request at info@phytoab.com .
Reconstitution:	Reconstitution with 150 μ l 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

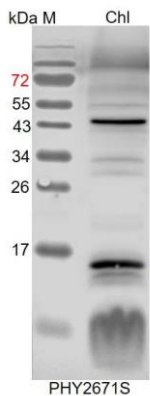
Recommended Dilution:	Western Blot (1:1000-1:5000) Note: Optimal dilutions/concentrations should be determined by the end user.
Expected / apparent MW:	22 / 14 kDa
Confirmed Reactivity:	<i>Arabidopsis thaliana</i>
Predicted Reactivity:	Among species analyzed, the sequence of the synthetic peptide used for immunization is 100% homologous with the sequence in <i>Oryza sativa</i> , <i>Vitis vinifera</i> , <i>Glycine max</i> , <i>Cucumis sativus</i> , <i>Hordeum</i>

Research Use Only

vulgare, *Spinacia oleracea*, *Medicago truncatula*, *Gossypium raimondii*, *Nicotiana tabacum*, *Brassica napus*, *Brassica rapa*, *Populus trichocarpa*, *Solanum tuberosum*, *Solanum lycopersicum*, *Triticum aestivum*, and 80-99% homologues with the sequence in *Zea mays*, *Sorghum bicolor*, *Setaria viridis*, *Panicum virgatum*, *Physcomitrium patens*.

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

Application Example



Chl: 5 μ l total chloroplast 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: 1:5000 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.