Anti-Histone acetyltransferase GCN5 antibody

Catalog: PHY0851S

Product Information

Description:	Rabbit polyclonal antibody
Background:	Histone acetyltransferase GCN5 plays a role in the determination of the embryonic root-shoot axis. It is also required to regulate the floral meristem activity by modulating the extent of expression of WUS and AG. HAG1 is specific for histone H3 lysine 14.
Synonyms:	GCN5, BGT, BIG TOP, GENERAL CONTROL NONDEREPRESSIBLE 5, HAC3, HAG01, HAG1, HAT1, HISTONE ACETYLTRANSFERASE 1, HISTONE ACETYLTRANSFERASE OF THE GNAT FAMILY 1.
Immunogen:	KLH-conjugated synthetic peptide of GCN5 Antibody derived from *Arabidopsis thaliana* AT3G54610.
Form:	Lyophilized
Quantity:	150 µg
Purification:	Serum Peptide affinity form antibody available upon request at info@phytoab.com.
Reconstitution:	Reconstitution with 150µl 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℃ 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

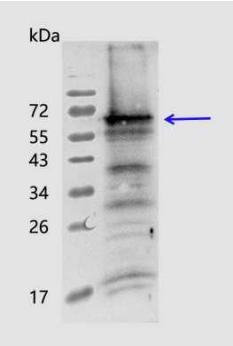
Applications:	Western Blot (1:1000-1:2000) Note: Optimal dilutions/concentrations should be determined by the end user.
Expected Results:	63 / 62 kDa

Confirmed Reactivity: *Arabidopsis thaliana*

Predicted Reactivity: Among 25 analyzed species, the sequence of the synthetic peptide used for immunization is 80-99% homologues with the sequence in *Brassica rapa subsp. Pekinensis, Glycine max.*

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

Application Example



25 µl nuclear protein from *Arabidopsis thaliana*.

Electrophoresis: 12% SDS-PAGE

Transfer: blotting to NC (nitrocellulose) membrane for 1 h.

Blocking: 5% skim milk at RT or 4℃ for 1 h.

Primary antibody: 1:1000 dilution overnight at 4℃.

Secondary antibody: 1:10000 dilution using Goat Anti-Rabbit IgG H&L(HRP) **PHY0851S** (Cat# PHY6000).

Detection: using chemiluminescence substrate and image were captured with CCD camera.