Anti-Potassium channel KAT3 antibody

Catalog: PHY1331A

Product Information

Description:	Rabbit polyclonal antibody
Background:	In Arabidopsis, the Shaker family comprises nine members, which can be segregated into five phylogenetic groups. Group I (KAT1 (AT5G46240) and KAT2 (AT4G18290)), group II (AKT1 (AT2G26650) and AKT5 (AT4G32500)) and group III (AKT2 (AT4G22200)) can produce homotetrameric hyperpolarization-activated K+channels when expressed alone in heterologous expression systems. In the same conditions, group V (GORK (AT5G37500), and SKOR (AT3G02850)) can produce homotetrameric depolarization-activated K+channels. AtKC1, the single member of group IV in Arabidopsis, contributes to the inward K+conductance, probably in association with AKT1 within hetero-meric channels.
Synonyms:	KAT3, A. THALIANA LOW-K+-TOLERANT 1, ARABIDOPSIS THALIANA K+ RECTIFYING CHANNEL 1, ATKC1, ATLKT1, KC1, POTASSIUM CHANNEL IN ARABIDOPSIS THALIANA 3
Immunogen:	KLH-conjugated synthetic peptide (14 aa from central section) derived from *Arabidopsis thaliana* KAT3 (AT4G32650).
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:	76 kDa
Confirmed Reactivity:	Coming soon
Predicted Reactivity:	Among species analyzed, the sequence of the synthetic peptide used for immunization is 80-99% homologues with the sequence in *Brassica napus*. For more species homologues information, please contact tech support at tech@phytoab.com.