

Anti-K(+) efflux antiporter 3, chloroplastic antibody

Catalog: PHY1717S

Product Information

Description:	Rabbit polyclonal antibody
Background:	<i>Arabidopsis thaliana</i> K(+) efflux antiporter (KEA3) is critical for high photosynthetic efficiency under fluctuating light. KEA3 localizes to the thylakoid membrane, and allows proton efflux from the thylakoid lumen by proton/potassium antiport. KEA3's activity accelerates the downregulation of pH-dependent energy dissipation after transitions to low light, leading to faster recovery of high photosystem II quantum efficiency and increased CO ₂ assimilation.
Synonyms:	KEA3, ATKEA3, K+ EFFLUX ANTIPORTER 3
Immunogen:	Recombinant protein of KEA3 (505-756 aa) derived from <i>Arabidopsis thaliana</i> AT4G04850.
Form:	Lyophilized
Quantity:	150 µg
Purification:	Serum
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 & 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 (1:1000-1:2000) Note: Optimal dilutions/concentrations should be determined by the end user.
Expected / apparent MW:	69 / 55 kDa

Research Use Only

Confirmed Reactivity:

Arabidopsis thaliana

Predicted Reactivity:

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