

Anti-Guanine nucleotide exchange factor SPIKE 1 antibody

Catalog: PHY2433S

Product Information

Description:	Rabbit polyclonal antibody
Background:	SPK1 is the lone DOCK family guanine nucleotide exchange factor (GEF) in Arabidopsis. It is a peripheral membrane protein that accumulates at, and promotes the formation of, a specialized domain of the endoplasmic reticulum (ER) termed the ER exit site (ERES). It promotes polarized growth and cell-cell adhesion in the leaf epidermis.
Synonyms:	SPK1, SPIKE1
Immunogen:	KLH-conjugated synthetic peptide (18 aa from N terminal section) derived from <i>Arabidopsis thaliana</i> SPK1 (AT4G16340).
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.

Application Information

Recommended Dilution:	Western Blot (1:1000-1:2000) Note: Optimal dilutions/concentrations should be determined by the end user.
Expected / apparent MW:	207 kDa

Research Use Only

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 rapa*, *Brassica napus*, *Spinacia oleracea*, *Zea mays*, *Glycine max*, *Medicago truncatula*, *Physcomitrium patens*. For more species homologues information, please contact tech support at tech@phytoab.com.