

Anti-Secretion-associated and Ras-related protein 1 antibody

Catalog: PHY0505A

Product Information

Description:	Rabbit polyclonal antibody
Background:	Two types of small GTP-binding proteins, ADP-ribosylation factor (Arf) and secretion-associated and Ras-related (Sar), are major regulators of vesicle biogenesis in intracellular traffic and are founding members of a growing family that also includes Arf-related proteins (Arp) and Arf-like (Arl) proteins. Sar1 functions as a molecular switch to control the assembly of protein coats (COPII) that direct vesicle budding from ER.
Synonyms:	SAR1C/D
Immunogen:	KLH-conjugated synthetic peptide (14 aa from Central section) derived from <i>Arabidopsis thaliana</i> SAR1D (AT3G62560) and SAR1C (AT4G02080).
Form:	Lyophilized
Quantity:	150 µg
Purification:	Immunogen affinity purified
Reconstitution:	Reconstitution with 150 µl of 0.01 M 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 &	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:	22 kDa

Research Use Only

Predicted Reactivity:

Among species analyzed, the sequence of the synthetic peptide used for immunization is 100% homologous with the sequence in *Brassica rapa*, *Brassica napus*, *Zea mays*, *Triticum aestivum*, *Panicum virgatum*, *Glycine max*, *Nicotiana tabacum*, *Medicago truncatula*, *Solanum lycopersicum*, *Oryza sativa*, *Setaria viridis*, *Gossypium raimondii*, *Vitis vinifera*, *Sorghum bicolor*, *Solanum tuberosum*, *Populus trichocarpa*, *Hordeum vulgare*, *Cucumis sativus*.

The sequence of the synthetic peptide used for immunization is 93% (13/14) homologous with the sequence in AT1G02620 and SAR1B (AT1G56330).

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