

product **AS13 2676**

ARC5 | Dynamin-like protein ARC5

This product is available to order on "payment after testing" terms.

For more information please contact us at support@agrisera.com

product information

background	ARC5 (Dynamin-like protein ARC5) is a probable GTPase component of both plastid and peroxisome division machinery. Required for the last steps of plastid division specifically in mesophyll-cell, when the narrow isthmus breaks, facilitating the separation of the daughter plastids. Necessary for peroxisome activities. Seems to influence stromule (stroma-filled tubular extensions of the plastid envelope membrane) length and frequency. Alternative names: Dynamin-related protein 5B Protein ACCUMULATION AND REPLICATION OF CHLOROPLASTS 5.
immunogen	<u>KLH</u> -conjugated synthetic peptide derived from internal domain of Dynamin-like protein ARC5 from <i>Arabidopsis thaliana</i> Uniprot: Q84N64 , TAIR: AT3G19720
antibody format	rabbit polyclonal total IgG in Tris 0,1M, glycine 0,1M, sucrose 2% lyophilized
quantity	50 µg for reconstitution add 50 µl of sterile water.
storage	store lyophilized/reconstituted at -20°C; once reconstituted make aliquots to avoid repeated freeze-thaw cycles. Shelf life upon re-constitution is 6 months. Please, remember to spin tubes briefly prior to opening them to avoid any losses that might occur from lyophilized material adhering to the cap or sides of the tubes. Store reconstituted antibodies at 4°C or in -20° for extended periods of time. Lyophilized powder is stable for a minimum of 2 years at -20°C.
tested applications	Western blot (WB)
related products	collection of antibodies to proteins involved in photosynthesis
additional information	

application information

recommended dilution	1 1:500 - 1:5 000 (WB)
expected apparent MW	87 kDa
confirmed reactivity	to be determined
predicted reactivity	<i>Arabidopsis thaliana</i>

- not reactive in** | no confirmed exceptions from predicted reactivity are currently known
- additional information** | Antibody format is a total IgG (purified on Protein A).
- selected references** | to be added when available