

FtsZ1 and 2 | Plant cell division protein FtsZ1 and FtsZ2



Cat. No. APA-GA-198

Lot. No. (See product label)

Product Name

FtsZ1 and 2 | Plant cell division protein FtsZ1 and FtsZ2

Host

Rabbit

Immunogen

Recombinant part of Arabidopsis thaliana FtsZ conserved in FtsZ1 Q42545 At5g55280 and FtsZ2 including FtsZ2-1 O82533, At2g36250 and FtsZ2-2 Q9LXJ0, At3g52750 and in a wide range of FtsZ proteins from other plant species.

Background

FtsZ1 (cell division protein FtsZ homolog 1) is required for plastid cell division. Localization: pollen grain and plastids of vegetative cells. Alternative names: Chloroplast FtsZ, Protein accumulation and replication of chloroplasts 10, Protein plastid movement impaired4. FtsZ2 (cell division protein FtsZ homolog 2) is required for plastid cell division. Present in two isoforms: FtsZ2-1 and FtsZ2-2. Alternative names: Plastid division protein FTSZ2.

Format

Lyophilized

Clonality

Polyclonal

Purity

Serum

Quantity

50 µl

Reactivity

Arabidopsis thaliana, Hordeum vulgare

Confirmed reactivity

Arabidopsis thaliana, Hordeum vulgare

Predicted reactivity

Chlamydomonas reinhardtii, Cucumis sativus, Gentiana lutea, Glycine max, Gossypium arborescens, Jatropha manihot, Lilium longiflorum, Lupinus angustifolius, Manihot esculenta, Marchantia aquatica, Medicago truncatula, Morus notabilis, Nannochloropsis gaditana, Nicotiana tabacum, Oryza sativa, Physcomitrium patens, populus trichocarpa, Ricinus communis, Solanum lycopersicum, Sorghum bicolor, Theobroma cacao, Triticum uratum, Zea mays, Yellow gentian, Vitis vinifera

Not reactive in

No confirmed exceptions from predicted reactivity are currently known

Reconstitution

For reconstitution add 50 µl of sterile water

Expected/apparent MW

40 kDa FtsZ1 (Arabidopsis thaliana) and 50 kDa FtsZ2 (Arabidopsis thaliana)

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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Tested applications

Western blot (WB)

Recommended dilution

1 : 2500 (WB)

Storage

Store lyophilized/reconstituted at -20°C; once reconstituted make aliquots to avoid repeated freeze-thaw cycles. Please remember to spin the tubes briefly prior to opening them to avoid any losses that might occur from material adhering to the cap or sides of the tube.

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