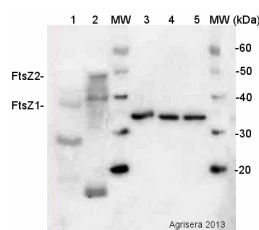


Product no **AS09 413****FtsZ1 and 2 | Plant cell division protein FtsZ1 and FtsZ2****Product information**

Immunogen	Recombinant part of <i>Arabidopsis thaliana</i> 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.
Host	Rabbit
Clonality	Polyclonal
Purity	Serum
Format	Lyophilized
Quantity	50 µl
Reconstitution	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. 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.
Additional information	This product can be sold containing proclin if requested

Application information

Recommended dilution	1 : 2500 (WB)
Expected apparent MW	40 kDa FtsZ1 (<i>Arabidopsis thaliana</i>) and 50 kDa FtsZ2 (<i>Arabidopsis thaliana</i>)
Confirmed reactivity	<i>Arabidopsis thaliana</i> , <i>Hordeum vulgare</i>
Predicted reactivity	<i>Chlamydomons reinhardtii</i> , <i>Cucumis sativus</i> , <i>Gentiana lutea</i> , <i>Glycine max</i> , <i>Gossypium arobretum</i> , <i>Jatropha manihot</i> , <i>Lilium longiflorum</i> , <i>Lupinus angustifolius</i> , <i>Manihot esculenta</i> , <i>Marchantia aquatica</i> , <i>Medicago truncatula</i> , <i>Morus notabilis</i> , <i>Nannochloropsis gaditana</i> , <i>Nicotiana tabacum</i> , <i>Oryza sativa</i> , <i>Physcomitrium patens</i> , <i>populus trichocarpa</i> , <i>Ricinus communis</i> , <i>Solanum lycopersicum</i> , <i>Sorgum bicolor</i> , <i>Theobroma cacao</i> , <i>Triticum uRatum</i> , <i>Zea mays</i> , <i>Yellow gentian</i> , <i>Vitis vinifera</i> Species of your interest not listed? Contact us
Not reactive in	No confirmed exceptions from predicted reactivity are currently known

Application example

2 µg of total protein extracted with PEB ([AS08 300](#)) from leaf tissue of (1) *Hordeum vulgare*, (2) *Arabidopsis thaliana*, (3 - 5) recombinant FtsZ1/FtsZ2 (33 kDa) were separated on **4-12%** NuPage (Invitrogen) **LDS-PAGE** and blotted 1h to **PVDF**. Filters were blocked 1h with 2% low-fat **milk powder** in TBS-T (0.1% TWEEN 20) and probed with **anti-FtsZ1/FtsZ2 antibody** (AS09 413, **1:2500**, 1h) and secondary anti-rabbit (**1:10 000**, 1 h) antibody (HRP conjugated, secondary antibody [AS09 602](#)) in TBS-T containing 2% low fat milk powder. Antibody incubations were followed by washings in TBS-T (15, +5, +5, +5 min). All steps were performed at RT with agitation. Signal was detected with chemiluminescent detection reagent, using a Fuji LAS-3000 CCD (300s, standard sensitivity). Exposure time was 2 min.