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Datasheet for ABIN190734
anti-Ftsz antibody

Overview

Quantity:	50 µL
Target:	Ftsz
Reactivity:	Synechococcus sp.
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Ftsz antibody is un-conjugated
Application:	Immunofluorescence (IF), Western Blotting (WB), Immunolocalization (IL)

Product Details

Immunogen:	whole cyanobacterial (Anabaena PCC 7120) FtsZ protein Q3MC27 overexpressed in E.coli.
Specificity:	Antibodies will also recognize FtsZ protein from E.coli strain BL21.
Characteristics:	Expected / apparent Molecular Weight of the Antigen: 44.5 / 50 kDa
Purification:	serum

Target Details

Target:	Ftsz
Background:	FtsZ (cell division GTPase) is a well characterized protein of the bacterial cell division apparatus. This protein accumulates early in dividing cells, and has a crucial role during septum formation in most bacteria as well as in chloroplasts. It has also been accepted as the bacterial cytoskeletal counterpart to eukaryotic microtubules.
Molecular Weight:	expected: 44.5 kDa, apparent: 50 kDa

Target Details

UniProt: [Q3MC27](#)

Application Details

Application Notes: Recommended Dilution: 1 : 2000 - 1 : 5000 with alkaline phosphatase (WB), 1 : 200 (IL)
Immunogold-TEM.

Comment: For western blot detection image and immunolocalization results - please refer to the article below. Immunofluorescence has been done by labelling *Synechococcus elongatus* cells at 30°C for 2 hours with FtsZ antibodies diluted to 1: 500 in blocking buffer. Detection images can be found in Kabeya et al (2010).

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: For reconstitution add 200 µL of sterile water.

Handling Advice: 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.
Once reconstituted make aliquots to avoid repeated freeze-thaw cycles.

Storage: -20 °C