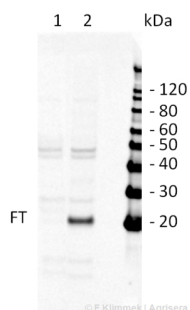


Product no **AS06 198****Anti-FT/TSF | Flowering locus T and twin sister of FT****Product information**

<b>Immunogen</b>	KLH-conjugated synthetic peptide derived from <i>A.thaliana</i> FT protein sequence (Q9SXZ2, At1g65480); please note that this antibody will cross-react with the highly homologous TSF ( <i>twin sister of FT</i> ) protein
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Purity</b>	Immunogen affinity purified serum in PBS pH 7.4.
<b>Format</b>	Lyophilized
<b>Quantity</b>	50 µg
<b>Reconstitution</b>	For reconstitution add 50 µl of sterile water
<b>Storage</b>	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.

**Application information**

<b>Recommended dilution</b>	1 : 1000 (WB)
<b>Expected   apparent MW</b>	20   20 kDa ( <i>Arabidopsis thaliana</i> )
<b>Confirmed reactivity</b>	<i>Arabidopsis thaliana</i> , <i>Oryza sativa</i>
<b>Predicted reactivity</b>	<i>Betula luminifera</i> , <i>Brassica napus</i> , <i>Brassica oleracea</i> , <i>Brassica rapa</i> , <i>Citrus sinensis</i> , <i>Eucalyptus</i> sp., <i>Hordeum vulgare</i> , <i>Jatropha curcas</i> , <i>Nicotiana tabacum</i> , <i>Persea americana</i> var. <i>americana</i> , <i>Populus tomentosa</i> , <i>Prunus armeniaca</i> , <i>Prunus avium</i> , <i>Prunus dulcis</i> , <i>Prunus mume</i> , <i>Prunus persica</i> , <i>Solanum tuberosum</i> , <i>Zea mays</i> , <i>Vitis vinifera</i> Species of your interest not listed? <a href="#">Contact us</a>
<b>Not reactive in</b>	<i>Medicago truncatula</i> , <i>Pisum sativum</i>
<b>Additional information</b>	Note that detection for this product is limited by target threshold level
<b>Selected references</b>	<a href="#">Nakamura et al. (2019)</a> . High-Resolution Crystal Structure of Arabidopsis FLOWERING LOCUS T Illuminates Its Phospholipid-Binding Site in Flowering. <i>iScience</i> . 2019 Nov 22;21:577-586. doi: 10.1016/j.isci.2019.10.045. <a href="#">Liang and Ow et al. (2019)</a> . Nucleocytoplasmic OXIDATIVE STRESS 2 can relocate FLOWERING LOCUS T. <i>Biochemical and Biophysical Research Communications</i> Volume 517, Issue 4, 1 October 2019, Pages 735-740

**Application example**

**35 µg of total leaf protein** extracted with PEB (**AS08 300**) from wt *Arabidopsis thaliana* (**1**) and *Arabidopsis thaliana* transformed with 35S::FT (**2**) were separated on **4-12% NuPage** (Invitrogen) **LDS-PAGE** and blotted 80 min (30V) to **PVDF**. Filter was blocked 1h with 2% **low-fat milk powder** in TBS-T (0.1% TWEEN 20) and probed with **anti-FT/TFT** (AS06 198, **1:1000**, 1h) and secondary anti-rabbit (**1:20 000**, 1h) antibody (HRP conjugated) 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, high sensitivity). Please note that this antibody will not detect FT at 35 µg protein loading in the wt leaf material tested.

*Arabidopsis thaliana* plants were 4 weeks old, grown @ 8 h light with 130-150 µE light @22°C and 16 h dark @18°C.