

Datasheet for ABIN2559391

## anti-Sucrose Phosphate Synthase antibody



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### 1 Image

#### Overview

Quantity:	50 µL
Target:	Sucrose Phosphate Synthase (SPS)
Reactivity:	Tomato, Zea mays
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunolocalization (IL)

#### Product Details

Immunogen:	Synthetic peptide derived from Zea mays SPS protein sequence (P31927).
Isotype:	IgG
Cross-Reactivity (Details):	Not reactive in: Hordeum vulgare
Predicted Reactivity:	monocots: Saccharum officinarum, Triticum aestivum and Oryza sativa
Characteristics:	Expected / apparent Molecular Weight of the Antigene: 120 / ~130 for Zea mays
Purification:	affinity purified

#### Target Details

Target:	Sucrose Phosphate Synthase (SPS)
Background:	SPS (sucrose phosphate synthase, EC 2.4.1.14) is the key enzyme of carbon flux into sucrose fixation in plants. It catalyzes the synthesis of sucrose-phosphate from UDP-glucose and fructose-6-phosphate predominantly in the cytosol of sucrose-source leaf tissue.

## Target Details

Molecular Weight: expected: 120 kDa, apparent: ~130 for Zea mays

UniProt: [P31927](#)

## Application Details

Application Notes: 1 : 2 000 with ECL (WB), 1: 1500 (IL)

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Reconstitution: For reconstitution add 50 µL of sterile water

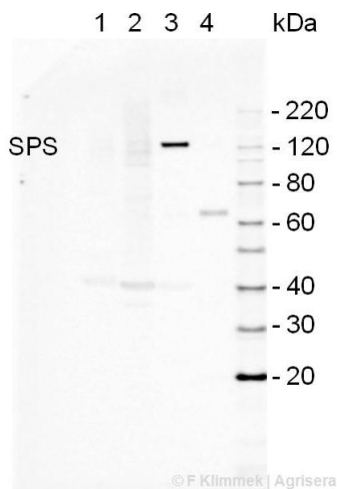
Buffer: PBS pH 7.4

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

Storage Comment: store lyophilized/reconstituted at -20 °C, once reconstituted make aliquots to avoid repeated freeze-thaw cycles. 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.

## Images



### Western Blotting

Image 1.