**Product:** Anti-SPS (sucrose phosphate synthase)

Global antibody

Product no: AS03 035A



## **Product Information**

Antibody clonality: Polyclonal

Raised in: Rabbit

**Purity:** Total rabbit IgG purified on a peptide column. Present in PBS pH 7.4

**Quantity**: 200 μg

Antibody form: Lyophilized. For reconstitution please add 167  $\mu$ l of sterile water. Please, remember to spin tubes briefly prior to opening them to avoid any losses that might occur from liquid or lyophilized material adhering to the cap or sides of the tubes.

**Storage instructions:** -20°C or -80°C long Term storage (years). Please, avoid freezing and thawing of antibodies. Make aliquots instead.

## **Application information:**

Western Blot: 1: 1 000

MW: 120 kDa

## **Background**

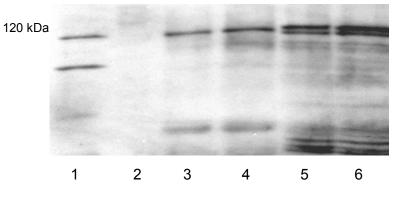
Sucrose phosphate synthase (SPS) is one of the key enzymes in the sucrose biosynthesis pathway. It catalyzes an essential and regulated reaction in the pathway of sucrose synthesis:

UDPglucose + Fructose 6-phosphate « UDP + Sucrose 6'-phosphate

**Immunogen:** Peptide target conserved in all plant SPS isoforms

**Reactivity:** confirmed for *Arabidopsis thaliana*, potato (*Solanum tuberosum*) tuber, tomato (*L. esculentum* cv. M82) leaf, tomato (*L. esculentum* cv. M82) fruit, *L. penellii* leaf, *L. penelli* fruit, maize (Zea mays) leaf and wheat (*Triticum aestivum*) seedling leaf.

Antibody can be used as a cytoplasmic marker for photosynthetic tissues.



1 – Potato tuber extract; 2 – empty;
3-4 Arabidopsis thaliana leaf extract;
5-6 Arabidopsis thaliana + wheat leaf extract

## Western blot transfer conditons:

Transfer MiniProtean system).
Blocking: in 5 % blotto non-fat milk
powder (BioRad) in 1xTBS (20 mM TrisHCl, 0,5 M NaCl, pH 7.5) + 0,1 % Tween
20. Primary antibody incubation: 1h/RT
It is common to see SPS fragments of
around 90 kDa and 30 kDa

Antibodies are intended for the research use only not for diagnostic or therapeutic use.

Product support: <a href="mailto:inquiry@agrisera.com">inquiry@agrisera.com</a>, <a href="http://www.agrisera.com">http://www.agrisera.com</a>,

Mailing address: Box 57, S-911 21 Vännäs, Sweden Phone/Fax: +46 (0)935 33033 / +46 (0)935 33044

Website: www.agrisera.com

International Bank Account Number (IBAN)
SE42 6000 0000 0001 15217258, S.W.I.F.T. address: HANDSES
Bank: Svenska Handelsbanken.S-106 70 Stockholm. Sweden

VAT number: SE556263276901 (Tax identification number)