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Product no AS07 256

SAL1 | Sal1 phosphatase

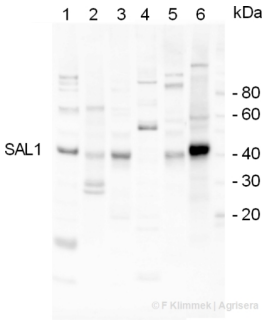
Product information

Immunogen	Recombinant SAL1, full-length protein, 353 amino acids. The cDNA of SAL1 (At5g63980, protein Q42546) was cloned into pHUE expression vector and the protein has been produced and purified according to Baker et al 2005
Host	Rabbit
Clonality	Polyclonal
Purity	Serum
Format	Lyophilized
Quantity	100 µl
Reconstitution	For reconstitution add 100 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.

Application information

Recommended dilution	1 : 1000 (WB)
Expected | apparent MW	37.5 | 41 kDa (*Arabidopsis thaliana*)
Confirmed reactivity	*Arabidopsis thaliana, Glycine max , Lycopersicum esculentum, Nicotiana tabaccum, Populus tremula*
Predicted reactivity	*Gossypium hirsutum, Oryza sativa* Species of your interest not listed? Contact us
Not reactive in	*Chlamydomonas reinhardii*
Selected references	Chan et al. (2016). Sensing and signaling of oxidative stress in chloroplasts by inactivation of the SAL1 phosphoadenosine phosphatase. Proc Natl Acad Sci U S A. 2016 Aug 2;113(31):E4567-76. doi: 10.1073/pnas.1604936113. Epub 2016 Jul 18.

application example



7.5 µg of total leaf protein extracted with PEB (**AS08 300**) from (**1**) *Nicotiana tabacum*, (**2**) *Glycine max*, (**3**) *Lycopersicon esculentum*, (**4**) *Chlamydomonas reinhardtii*, (**5**) *Populus tremula* and (**6**) *Arabidopsis thaliana* were separated on **4-12%** NuPage (Invitrogen) **LDS-PAGE** and blotted 1h to **nitrocellulose**. Filters were blocked 1h with 2% **low-fat milk powder** in TBS-T (0.1% TWEEN 20) and probed with **anti-SAL1** (AS07 256, 1:1000, 1h) and secondary anti-rabbit (1:20000, 1 h) **HRP-conjugated** antibody 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 (240s, standard sensitivity).