

This product is for research use only (not for diagnostic or therapeutic use)

contact: support@agrisera.com

Agrisera AB | Box 57 | SE-91121 Vännäs | Sweden | +46 (0)935 33 000 | www.agrisera.com

### Product no AS09 613

# Anti-AKING1 | SNF1-related protein kinase regulatory subunit gamma 1

### **Product information**

Immunogen KLH-conjugated peptide derived from Arabidopsis thaliana AKING1UniProt: Q8LBB2, TAIR: At3g48530

Host Rabbit

Clonality Polyclonal

**Purity** Immunogen affinity purified serum in BS pH 7.4.

Format Lyophilized

Quantity 50 μg

**Reconstitution** For reconstitution add 50 μl of sterile water

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 1:2000 (WB)

Expected | apparent

Ա 48 kDa

Predicted reactivity | Arabidopsis thaliana

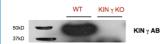
Not reactive in Chlamydomonas reinhardtii, Zea mays, Vitis vinifera

Selected references Emanuelle et al. (2015). SnRK1 from Arabidopsis thaliana is an atypical AMPK. Plant J. 2015 Mar 3. doi:

10.1111/tpj.12813.

Ramon et al. (2013). The hybrid Four-CBS-Domain KIN -subunit functions as the canonical subunit of the plant energy sensor SnRK1. Plant j. April 1.

#### **Application example**



10 ug of *Arabidopsis thaliana* Columbia WT and KIN gamma KO seedlings were grinded in MOPS loading buffer and heated for 5 min at 95°C. Samples were separated on 10 % SDS-PAGE and blotted 1h to PVDF. Blots were blocked with 5% milk for 1h at room temperature (RT) with agitation. Blot was incubated in the primary antibody at a dilution of 1: 2 000 for 2h at RT with agitation. The antibody solution was decanted and the blot was rinsed briefly

twice, then washed once for 15 min and 3 times for 5 min in TBS-T at RT with agitation. Blot was incubated in secondary antibody, diluted to 1:4 000 in for 1h at RT with agitation.

The blot was washed as above and developed for 5 min with ECL according to the manufacturers instructions. Exposure time was 15 seconds.

Courtesy of Dr. Matthew Ramon