Agrisera
Part of Thermo Fisher Scientific

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 AS21 4582

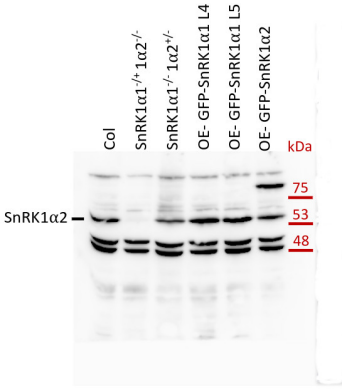
Anti-SnRK1alpha2 | SNF1-related protein kinase catalytic subunit alpha KIN11

Product information

Immunogen	KLH-conjugated peptide derived from KIN11 of *Arabidopsis thaliana*, UniProt: P92958 ,TAIR: AT3G29160
Host	Rabbit
Clonality	Polyclonal
Purity	Antigen affinity purified serum, in PBS pH 7.4
Format	Lyophilized
Quantity	50 µg
Reconstitution	For reconstitution add 50 µl, of deionized or sterile water.
Storage	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.

Application information

Recommended dilution	1 : 1000 (WB)
Expected | apparent MW	58.7 kDa
Confirmed reactivity	*Arabidopsis thaliana*
Predicted reactivity	Species of your interest not listed? Contact us
Not reactive in	*Setaria viridis*
Selected references	To be added when available, antibody available in August 2025.



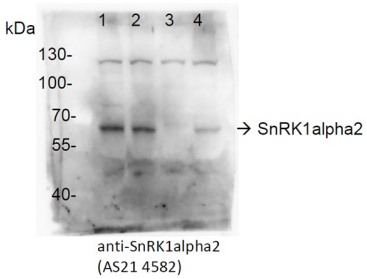
20 µg of total protein extracted freshly from 7 days-old *Arabidopsis thaliana* seedlings with Lysis buffer (50 mM Tris-HCl pH 7.5, NaCl 100 mM, 0.1% Nonidet and Protease inhibitor cocktails) and denatured with Laemmli buffer at 75ºC for 5 min. The samples were separated on 10% SDS-PAGE and blotted 1h to nitrocellulose using semi-dry transfer. Blot was blocked with 1% milk for RT/ 1h with agitation. Blot was blocked in the primary antibody at a dilution of 1: 1 000 for 4ºC/ON with agitation in PBS-T. The antibody solution was decanted and the blot was rinsed briefly twice, then washed once for 10 min and 3 times for 10 min in PBS-T at RT with agitation. Blot was incubated in Agrisera matching secondary antibody (anti-rabbit IgG horse radish peroxidase conjugated AS09 602) diluted to 1: 25 000 for 1h/RT with agitation. The blot was washed as above and developed for 5 min with Agrisera ECLBright. Exposure time was 1o seconds.

Courtesy of Dr. Emilio Gutierrez Beltran, University of Seville, Spain

Agrisera
Part of Thermo Fisher Scientific

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



Samples:
1 – *Arabidopsis thaliana* Col-0
2 – *Arabidopsis thaliana* snrk1 1-3(GABI_579_E09)
3 – *Arabidopsis thaliana* snrk1 2-2 (WiscDsLox384F5)
4 – *Arabidopsis thaliana* snrk1 1-3 (-/-), 2-1 (+/-)(GABI_579_E09/WiscDsLox320B03)

A.thaliana seedlings were grown in solid half MS for 2 weeks. Whole seedling protein extracts were prepared. Samples were collected, ground in liquid nitrogen and immediately placed in two volumes of extraction buffer (50 mM Tris-HCl pH 8.0, 150 mM NaCl,1 %TritonX-100, 3mM DTT and protease inhibitor cocktail) on ice during 30 minutes for protein extraction. Homogenates were cleared by centrifugatio n at 12 000g, 4ºC for 15 min. 50 µg of each protein extract was loaded in to a 8 % SDS-PAGE. Gel was run for 2h at 100-120 V followed by a protein transfer and membrane was subsequently analyzed with primary antibodies anti-SnRK1alpha2(AS214582; at 1:500) followed by incubation with a secondary antibody, goat anti-rabbit HRP conjugated.

Courtesy of Dr. Borja Belda Palazón, Instituto de Biología Molecular y Celular de Plantas, CSIC/Universidad Politécnica de Valencia, Spain