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Product no AS12 2601

Anti-HXK1 | Hexokinase 1

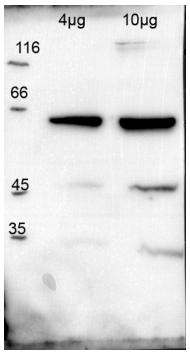
Product information

Immunogen	KLH-conjugated synthetic peptide derived from *Arabidopsis thaliana* hexokinase-1, UniProt: Q42525, TAIR:AT4G29130
Host	Rabbit
Clonality	Polyclonal
Purity	Serum
Format	Lyophilized
Quantity	50 µl
Reconstitution	For reconstitution add 50 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	53 kDa
Confirmed reactivity	*Arabidopsis thaliana, Pisum sativum*
Predicted reactivity	*Actinidia chinensis, Arabis alpina, Brassica napus, Camellia sinensis, Capsella rubella, Coffea canephora, Cucumis sativus, Dimocarpus longan, Eucalyptus grandis, Glycine max, Gossypium raimondii, Jatropha curcas, Malus domestica, Nicotiana benthamiana, Nicotiana tabacum, Solanum lycopersicum, Solanum tuberosum, Vitis vinifera* Species of your interest not listed? Contact us
Not reactive in	*Chlamydomonas reinhardtii, Saccharomyces cerevisiae*
Selected references	Gil et al. (2017) ZEITLUPE Contributes to a Thermoresponsive Protein Quality Control System in Arabidopsis. PlantCell. 2017 Nov;29(11):2882-2894. doi: 10.1105/tpc.17.00612.

application example



ca. 4 µg and 10 µg of total protein (outer envelop of chloroplasts) from *Pisum sativum* leaves extracted with 20m M Mops, 13 mM Tris, 0.1 mM MgCl2 330 mM Sorbit 0.02% BSA (stored in $NaPO_4$) were separated on 10% SDS-PAGE and blotted 1h to PVDF using semi-dry. Blots were blocked with 1% milk 1x TBS-T for 3x10 min at room temperature (RT) with agitation. Blot was incubated in the primary antibody at a dilution of 1: 1 000 for 1h at RT with agitation. The antibody solution was decanted and the blot was rinsed briefly twice, then washed once for 3 times for 10 min in TBS-T at RT with agitation. Blot was incubated in secondary antibody(goat anti-rabbit IgG, HRP conjugated, from Agrisera, AS09 602) diluted to 1:25 000 in 1% milk1xTBS-T for 1h at RT with agitation. The blot was washed as above and developed for 1 min with combination of 100 mM Tris-HCL pH 8.5, 1%Luminol, 0.44% Coomaric Acid and 100 mM Tris-HCl pH 8.5, 0.018% H_2O_2 (1mL of each Solution, selfmade). Exposure time was 60 seconds.

Courtesy of Bettina Mathes, Ludwig Maximilians University Munich, Germany