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Product no AS16 4084

PPH1/TAP38 | Protein phosphatase 1

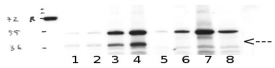
Product information

Immunogen	KLH-conjugated synthetic peptide chosen from *Arabidopsis thaliana* TAP38 sequence, UniProt:P49599, TAIR: AT4G27800
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 : 2000 (WB)
Expected | apparent MW	42,7 kDa
Confirmed reactivity	*Arabidopsis thaliana*
Predicted reactivity	*Cajanus cajan, Cephalotus follicularis, Cicer arietinum, Cucumis melo, Glycine soja, Gossypium hirsutum, Ilex paraguariensis, Mesembryanthemum crystallinum, Nelumbo nucifera, Nicotiana tabacum, Noccaea caerulescens, Populus trichocarpa, Ricinus communis, Theobroma caca, Vigna radiata var. radiata* Species of your interest not listed? Contact us

Application example



0,5-5 µg of chlorophyll per lane from *Arabidopsis thaliana* leaves WT (1-4) and delta-TAP38 (5-8), ecotype Columbia were extracted according to Järvi et al 2016 (Plant Physiol 171:1333-1343) and denatured with SDS and 5% B-mercaptoethanol at 65°C for 10 min. After spinning down the proteins were separated on 12% mini-SDS-PAGE with 6 M urea and blotted 1h to PVDF using semi-dry transfer (Hoefer). Membranes were blocked with 5 % milk 0,05% TBS-T for 1h at room temperature (RT) with slow agitation and after a brief rinsing with TBS-T they were incubated in the primary antibody at a dilution of 1: 1000 1% milk TBS-T overnight at 4°C with slow agitation. The antibody solution was decanted and the blot was rinsed briefly twice and washed once for 10 min with fast agitation. Blots were incubated in secondary antibody (anti-rabbit IgG horse radish peroxidase conjugated, from Agrisera AS09 602) diluted to 1:25 000 in 1 % milk TBS-T for 1h at RT with slow agitation. The blot was washed as above and developed for 5 min with ECL Western Blotting Detection Reagent. Exposure time with Fuji X-ray films for optimal developing was 3 min.

Courtesy of Maija Lespinasse, University of Turku, Finland