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Product no AS11 1807

CPK-EF | Calcium-dependent protein kinase EF domain

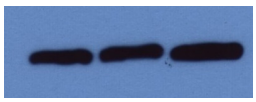
Product information

Immunogen	KLH-conjugated synthetic peptide derived from Calcium-dependent protein kinase EF domain including *Arabidopsis thalaiana* TAIR: At4g35310 and At5g04870
Host	Rabbit
Clonality	Polyclonal
Purity	Immunogen affinity purified serum in PBS pH 7.4.
Format	Lyophilized
Quantity	50 µg
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	60-65 kDa
Confirmed reactivity	*Arabidopsis thaliana, Hordeum vulgare, Populus sp., Triticum aestivum*
Predicted reactivity	*Brassica napus, Nicotiana tabacum, Oryza sativa, Solanum lycopersicum, Solanum tuberosum* Species of your interest not listed? Contact us
Not reactive in	No confirmed exceptions from predicted reactivity are currently known

application example



20 µg of total protein from *Hordeum vulgare* extracted with isolation buffer with 6M urea were separated on 12% SDS-PAGE and blotted 1h to PVDF using semi-dry transfer. Blots were blocked with 5% milk in TBS-T for 1h 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 once, then washed 3 times for 10 min in TBS-T at RT with agitation. Blot was incubated in secondary antibody (anti-rabbit IgG horse radish peroxidase conjugated, from Agrisera AS09 602) diluted to 1:25 000 in TBS-T containing2% milk for 1h at RT with agitation. The blot was washed as above and developed for 5 min with ECL according to the manufacturer's instructions. Exposure time was 300 seconds.

Courtesy of Dr. Lucyna Misztal, Institute of Molecular Biology and Biotechnology, Poznań, Poland