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Product no AS15 3107

PPD2 | Protein PEAPOD 2

Product information

Immunogen	KLH-conjugated peptide derived from *Arabidopsis thaliana* PPD2 sequence, Uniprot: Q8GY55 TAIR: At4G14720
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.
Additional information	This antibody is recognizing recombinant PPD2 and reactivity on endogenous protein needs to be confirmed

Application information

Expected | apparent MW	34,8 kDa
Confirmed reactivity	*Arabidopsis thaliana*
Not reactive in	No confirmed exceptions from predicted reactivity are currently known

Application example

Equal volumes of total proteins from *E. coli* purified with GST agarose beads or *N. benthamiana* were extracted and denatured with with Laemlli buffer (50 mM Tris pH 8, 10 mM EDTA, 18% glycerol, and 10 mM DTT) at 95°C for 10 min. Samples were separated on 12% SDS-PAGE and blotted 30 min to Protran nitrocellulose membrane (Whatman) using semi-dry transfer. Blots were blocked with 0.25% BSA/0.25% gelatin for 60 min at room temperature (RT) with agitation. Blot was incubated in the primary antibody at a dilution of 1: 1000 overnight at RT with agitation. The antibody solution was decanted and the blot was rinsed briefly once, then washed 4 times for 15 min in 10mM Tris pH8.0, 0.3% Tween 20 buffer at RT with agitation. Blot was incubated in secondary antibody (anti-rabbit IgG alkaline phosphatase conjugated) diluted to 1:10 000 in for 60 min at RT with agitation. The blot was washed as above and developed for 10 min with NBT/BCIP (nitro blue tetrazolium/5-bromo-4-chloro-3-indolyl-phosphate; Promega Corporation).

Courtesy of Dr. Garry Sunter, South Texas Center for Emerging Infectious Disease, San Antonio, USA