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Product no AS12 2369

PR-4 | Pathogenesis-related protein 4 (Arabidopsis thaliana)

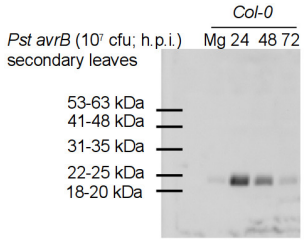
Product information

Immunogen	KLH-conjugated synthetic peptide derived from *Arabidopsis thaliana* PR-4 protein sequence, UniProt:P43082, TAIR:AT3G04720
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 : 2000-1 : 5000 (WB)
Expected | apparent MW	22.9 kDa (propeptide), mature peptide 20.7 kDa
Confirmed reactivity	*Arabidopsis thaliana*
Predicted reactivity	*Capsicum chinense , Carica papaya, Chimonanthus praecox, Drosera adelae, Eutrema japonicum, Ficus pumila var. awkeotsang , Hevea brasiliensis, Hordeum vulgare, Glycine max, Medicago truncatula, Morus notabilis, Phaseolus vulgaris, Pisum sativum, Populus trichocarpa, Prunus dulcis, Ricinus communis, Solanum tuberosum, Theobroma cacao, Triticum aestivum, Triticum urartu , Vitis pseudoreticulata* Species of your interest not listed? Contact us
Not reactive in	No confirmed exceptions from predicted reactivity are currently known

Application example



Arabidopsis thaliana leaves treated or not with Pseudomonas syringae containing the avirulence gene avrB: extracted with Tris-HCl 50mM pH 7.8, 0.1 mM EDTA, Triton X-100 0.2% and denatured with SDS 2% and DTT 10mM at 95ºC for 5 min. were separated on 12 % SDS-PAGE and blotted 1h to PVDF using semi-dry (Bio-Rad). Blots were blocked with 3% milk in TBS-T 1% O/N at 4ºC with agitation. Blot was incubated in the primary antibody at a dilution of 1: 5000 for 1h at RT with agitation. The antibody solution was decanted and the blot was rinsed, 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) diluted to 1: 25 000 in TBS-T for 1h at RT with agitation. The blot was washed as above and developed for 5min with ECL Plus (Amersham). Exposure time was 45 seconds.

Courtesy of Dr. María C. Romero-Puertas, CSIC, Spain