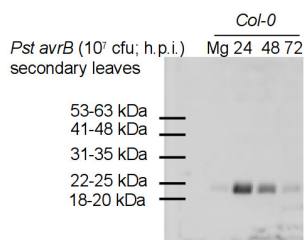


Product no **AS12 2369****Anti-PR-4 | Pathogenesis-related protein 4 (Arabidopsis thaliana)****Product information**

<b>Immunogen</b>	KLH-conjugated synthetic peptide derived from <i>Arabidopsis thaliana</i> PR-4 protein sequence, UniProt: <a href="#">P43082</a> , TAIR: <a href="#">AT3G04720</a>
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Purity</b>	Serum
<b>Format</b>	Lyophilized
<b>Quantity</b>	50 µl
<b>Reconstitution</b>	For reconstitution add 50 µl of sterile water
<b>Storage</b>	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**

<b>Recommended dilution</b>	1 : 2000-1 : 5000 (WB)
<b>Expected   apparent MW</b>	22.9 kDa (propeptide), mature peptide 20.7 kDa
<b>Confirmed reactivity</b>	<i>Arabidopsis thaliana</i>
<b>Predicted reactivity</b>	<i>Capsicum chinense</i> , <i>Carica papaya</i> , <i>Chimonanthus praecox</i> , <i>Drosera adela</i> , <i>Eutrema japonicum</i> , <i>Ficus pumila</i> var. <i>awkeotsang</i> , <i>Hevea brasiliensis</i> , <i>Hordeum vulgare</i> , <i>Glycine max</i> , <i>Medicago truncatula</i> , <i>Morus notabilis</i> , <i>Phaseolus vulgaris</i> , <i>Pisum sativum</i> , <i>Populus trichocarpa</i> , <i>Prunus dulcis</i> , <i>Ricinus communis</i> , <i>Solanum tuberosum</i> , <i>Theobroma cacao</i> , <i>Triticum aestivum</i> , <i>Triticum urartu</i> , <i>Vitis pseudoreticulata</i>
	Species of your interest not listed? <a href="#">Contact us</a>
<b>Not reactive in</b>	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 95°C 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 4°C 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