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Agrisera AB | Box 57 | SE-91121 Vännäs | Sweden | +46 (0)935 33 000 | www.agrisera.com

Product no AS21 4614

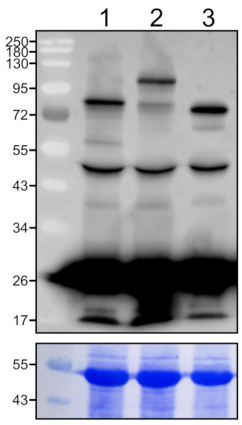
Anti-PAL 1-4 | Phenylalanine ammonia-lyase 1-4

Product information

Immunogen	KLH-conjugated, conserved peptide derived from *Arabidopsis thaliana* PAL1-4, UniProt: P35510, P45724, P45725, Q9SS45 , TAIR:AT2G37040, AT3G53260, AT5G04230,AT3G10340
Host	Rabbit
Clonality	Polyclonal
Purity	Antigen affinity purified serum, in PBS pH 7.4
Format	Lyophilized
Quantity	50 µg
Reconstitution	For reconstitution add 50 µl, of sterile or deionized water.
Storage	Store lyophilized/reconstituted at -20°C; once reconstituted make aliquots to avoid repeated freeze-thaw cycles. Please, remember to spin tubes briefly prior to opening them to avoid any losses that might occur from lyophilized material adhering to the cap or sides of the tubes.

Application information

Recommended dilution	1 : 2000 (WB)
Expected | apparent MW	76.2-78.7 kDa
Confirmed reactivity	*Nicotiana benthamiana*
Predicted reactivity	*Arabidopsis thaliana, Hibiscus syriacus, Lotus corniculatus, Nepenthes sp., Solanum dulcamara, Solanum lycopersicum,Vigna unguiculata,* Species of your interest not listed? Contact us
Not reactive in	No confirmed exceptions from predicted reactivity are currently known
Selected references	To be added when available, antibody available in April 2023.



1- p35s::NbPAL1-3xHA
2- p35s::NbPAL1-GFP
3- RNAi*GUS*

Target MW: ~77 kDa

Target cellular localisation: Cytoplasmic

~25 µg/well of total protein extracted freshly from *N. benthamiana* leaf. Sample 3 is a control, no overexpression. Exact buffer components were: Laemmli buffer (62.5mM Tris-HCl (pH 6.8), 10% glycerol, 1%SDS, 0.005% Bromophenol Blue): and denatured with exact buffer components at 70°C for 10 min. Samples were separated on 10 % SDS-PAGE and blotted for 0.5 h to PVDF using semi-dry transfer. Blot was blocked with 5 % milk for 1h at RT with agitation. Blot was incubated in the primary antibody at a dilution of 1:2 000 in TBS-T ON/4°C with agitation. The antibody solution was decanted, and the blot was rinsed briefly twice, then washed once for 15 min and 3 times for 10 min in TBS-T at RT with agitation. Blot was incubated in matching secondary antibody (anti-rabbit IgG horse radish peroxidase conjugated) diluted to 1: 10 000 in for 1h/RT with agitation. The blot was washed as above and developed with a following chemiluminescent detection reagent: AS16 ECL-N-10 AgriseraBright (mid picogram detection). Exposure time was 5 minutes (LI-COR Odyssey FC Imaging System).

Image courtesy of Dr Yasin Tumtas, Bozkurt Lab, Imperial College London