

This product is for research use only (not for diagnostic or therapeutic use)

contact: support@agrisera.com

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

Product no AS22 4827 Anti-SYP121 | Syntaxin 121

Product information

Immunogen	KLH-conjugated peptide derived from Arabidopsis thaliana SYP121 protein sequence, UniProt: Q9ZSD4-1, TAIR: AT3G11820					
Host	Rabbit					
Clonality	Polyclonal					
Purity	Antigen affinity purified serum, in PBS pH 7.4					
Format	Lyophilized					
Quantity	50 μg					
Reconstitution	For reconstitution add 50 μ l, 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

nec	ommo	hoba	dilut	lion	1.	1000 (WB)				
					_					
Expected apparent MW					37.9 kDa					
Confirmed reactivity				vity	Arabidopsis thaliana					
Predicted reactivity				vity	Brassica napus, Brassica oleracea, Capsicum annum, Euphorbia peplus, Glycine max, Gossypium sp., Hirschfeldia incana, Jatropha curcas, Malus domestica, Manihot esculenta, Medicago truncatula, Nicotiana tabacum, Pisum sativum, Raphanus sativus, Solanum tuberosum, Spinacia oleracea, Theobroma cacao, Vitis vinifera Species of your interest not listed? <u>Contact us</u>					
	N	lot re	activ	e in	Du	Dunaliella salina, Triticum aestivum				
					_					
Au	antiona		orma	lion	111	s antibody is also recognizing recombinant SYP121-GFP.				
ţ	Selecte	ed ref	feren	ces	То	be added when available, antibody available in June 2024.				
		ed rei	feren	ces	То					
;	kDa	ed ref	f eren 2	ces 3	То 4	be added when available, antibody available in June 2024.				
;		ed rei	f eren 2	ces 3	То 4					
250		1	feren 2	ces 3	4					
		1	2	ces 3	4					
250		1	2	3	4					
250 150		1	2	3	4 4					
250 150 100		1	2	3	4 4					
250 150 100 75		1	2	3	4 4					
250 150 100 75 50		1	2	3	4					

Samples:

15 10

Marker: Precision Plus Dual Color Standard (Biorad)

1-20 µg of Arabidopsis thaliana total protein extract

2-20 µg of Arabidopsis thaliana cytosolic fraction

3-20 μg of Arabidopsis thaliana microsomal fraction

4-20 µg of Arabidopsis thaliana plasma membrane fraction

5-20 µg of Arabidopsis thaliana other membranes fraction

Arabidopsis thaliana plants were grown for 13 days at 22° C with a time regime of 16hday/8h night. Plants were grown on 1/2MS agar plates, pH=5.8. Whole plants were used for the experiment.

Samples were extracted with 50 mM HEPES pH 7,5, 400 mM sucrose, 100 mM KCl, 100 mM MgCl2, Complete Protease Inhibitor Cocktail; 3-8



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resuspend with 5 mM phosphate buffer pH 7,8 and denaturated with Laemmli sample buffer (Biorad) with XT reducing agent (Biorad) at 65 °C (1-5) or 70 °C (6-8) for 5 min. Samples were separated on 4-20% Mini-PROTEAN TGX stain free precast gel and blotted 7 min to PVDF (pore size of 0,2 μ m) using Turbo Blot. Blot was blocked with 5% milk in TBS-T for 1h/RT with agitation. Blot was incubated with antiSYP121 (AS 22 4827) at a dilution 1:1000 ON/4°C in TBS-T. The antibody solution was decanted and the blot was washed once for 15 min and 3 times for 5 min in TBS-T at RT with agitation. Blot was incubated in Goat anti-Rabbit IgG HRP conjugated (Agrisera AS09602-trial) diluted to 1:25000 in 5% milk in TBS-T for 1h/RT with agitation. The blot was washed as above and developed for 5 min with Agrisera ECLBright. Exposure time was 2 seconds.

Courtesy of Dr. Roman Hudeček, Integrative Structural Biology, IEB CAS CZ, Czech Republic