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Product no AS13 2753

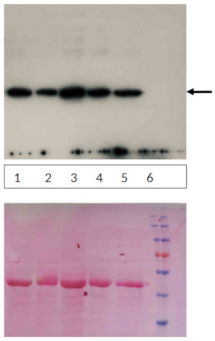
Anti-CPX1 | Coproporphyrinogen-III oxidase 1

Product information

Immunogen	KLH-conjugated synthetic peptide derived from *Arabidopsis thaliana* CPX1 sequence, UniProt: UniProt: Q9LR75, TAIR: AT1G03475
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	

Application information

Recommended dilution	1 : 2000 (WB)
Expected | apparent MW	43.7 | 41 kDa
Confirmed reactivity	*Arabidopsis thaliana, Cucurbita pepo*
Predicted reactivity	*Brassica napus, Camelina sativa, Capsella rubella, Citrus sinensis, Eucalyptus grandis, Eutrema salsugineum, Jatropha curca, Manihot esculenta, Populus trichocarpa, Salix suchowensis, Tarenaya hassleriana, Quercus lobata*
Not reactive in	No confirmed exceptions from predicted reactivity are currently known
Selected references	To be added when available, antibody released in October 2021.



Samples:
1: *Cucurbita pepo* sbsp pepo
2: *Cucurbita pepo* sbsp pepo
3: Cucurbita pepo sbsp pepo
4: Cucurbita pepo sbsp pepo
5: *Arabidopsis thaliana* Col-0

5 µg/well of total protein extracted freshly from *Cucurbita pepo* or *Arabidopsis thaliana* leaves were extracted with (0.2 M NaCl, 0.02 M Tris-HCl pH 7.5, 1 mM EDTA, 1 mM PMSF, 1% NP-40, 0.2% SDS and denatured with Laemmli sample buffer at 95°C for 4 min. Proteins were separated on 8% SDS-PAGE and blotted 1 h to PVDF (pore size of 45 µm), using semi-dry transfer. Blot was blocked with 5% milk for 1 h/RT. Blot was incubated in the primary antibody at a dilution of 1: 2 000 in TBS-T for 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 5 min in TBS-T at RT with agitation. Blot was incubated in Agrisera matching secondary antibody (anti-rabbit IgG horse radish peroxidase conjugated, AS09 602) diluted to 1: 5 000 in TBS-T for 1h/RT with agitation. The blot was washed as above and developed for 2 min with Agrisera ECLBright. Exposure time was 2 min.

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Courtesy of Dr.Theoni Margaritopoulou, Benaki Phytopathological Institute, Greece