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Product no AS20 4399

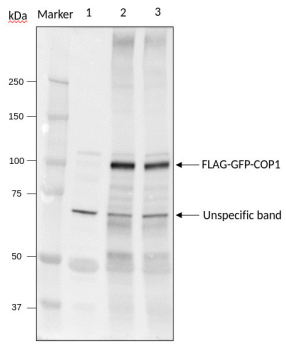
Anti-COP1 | E3 ubiquitin-protein ligase COP1

Product information

Immunogen	His-tagged recombinant part of COP1 protein from *Arabidopsis thaliana*, overexpressed in *E.coli*, UniProt: P43254, TAIR: AT2G32950
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 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 : 1000 (WB)
Expected | apparent MW	75 kDa
Confirmed reactivity	*Arabidopsis thaliana*
Predicted reactivity	*Brassica napus, Brassica rapa, Camelina sativa, Capsella rubella, Eutrema salsugineum, Hirschfeldia incana, Raphanus sativus, Solanum lycopersicum* 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 October 2023.



Samples:
Marker: Precision Plus Protein Dual Color Standards (Biorad, #1610394)
1 - *Arabidopsis thaliana cop1-4* mutant
2 - *Arabidopsis thaliana 35S-FLAG-GFP-COP1/cop1-4* transgenic line #1
3 - *Arabidopsis thaliana 35S-FLAG-GFP-COP1/cop1-4* transgenic line #2

Total protein extracted freshly from 15 seedlings (7-day-old grown under short day condition with 8h light/16h dark) with 2x Laemmli sample buffer (Biorad, 120 mM Tris-HCl pH 6.8, 4% SDS, 20% glycerol, 0.02% bromophenol blue, 200 Mm dithiothreitol), and then denatured at 95°C for 10 min. Proteins were separated on pre-cast SDS-polyacylamide gels with a 7.5% acrylamide and blotted 7 min to nitrocellulose membranes (Biorad Trans-Blot Turbo RTA Nitrocellulose Transfer Kit), using semi-dry transfer. Blot was blocked with EveryBlot Blocking Buffer (Biorad) for 10 min at RT with agitation. Bolt was incubated in the anti-COP1 antibody at a dilution of 1:1000 for 4 °C/ON with agitation. The primary antibody solution was decanted, and the membrane was first washed briefly once (5 s) and then for 15 min, followed by 3 additional washings of 5 min in 1x TBS-T (without blocking agent) with agitation. Blot was incubated in Agrisera matching secondary antibody (Goat anti-Rabbit IgG, HRP conjugated, AS09 602) diluted to 1:25000 for 1h at RT with agitation). The blot was washed as above and developed for 2~3 min with chemiluminescent detection (AgriseraSuperBright, AS16 ECL-S-10), according to the manufacture's instructions. The Exposure time was 20 seconds.