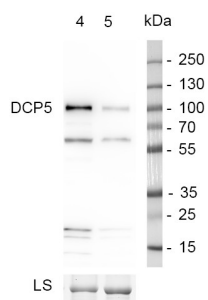


Product no **AS23 4944****Anti-DCP5 | Protein decapping 5****Product information**

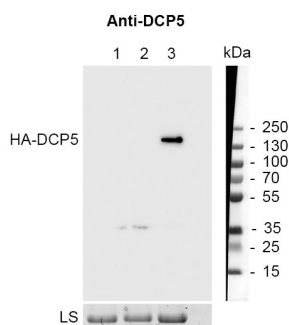
Immunogen	KLH-conjugated peptide derived from <i>Arabidopsis thaliana</i> DCP5, UniProt: Q9C658 TAIR: AT1G26110
Host	Rabbit
Clonality	Polyclonal
Purity	Antigen affinity purified serum, in PBS pH 7.4
Format	Lyophilized
Quantity	50 µg
Reconstitution	For reconstitution, add 50 µl of sterile or deionized 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 : 1000 (WB)
Expected apparent MW	64.4 kDa
Confirmed reactivity	<i>Arabidopsis thaliana</i> , <i>Nicotiana benthamiana</i> (transiently expressed)
Predicted reactivity	<i>Brassica napus</i> Species of your interest not listed? Contact us
Not reactive in	<i>Solanum lycopersicum</i>
Selected references	To be added when available, antibody available February 2025.



Samples:

4 - Col-0, *Arabidopsis thaliana* leaf5 - *dcp5-1* mutant, *Arabidopsis thaliana* leaf

Samples:

- 1 - HA-DCP1 (transient in *N.benthamiana*)
- 2 - HA-DCP2 (transient in *N.benthamiana*)
- 3 - HA-DCP5 (transient in *N.benthamiana*)

Total protein extracted freshly from 2 leaf discs (Ø6mm) of 4-week-old *Nicotiana benthamiana* or *Arabidopsis thaliana* leaves in 150 µL extraction buffer (100 mM Tris pH=7.5, 1mM EDTA, 3% SDS) + 50 µL 4X Laemmli buffer (BioRad) and denatured at 95°C for 10 min. Samples were separated in on 10 % SDS-PAGE and blotted to PVDF membrane (pore size of 0,2 µm), using semi-dry transfer (7 min; 1.3A up to 25V). Blot was blocked with 5 % milk for 1h/RT with agitation. Blot was incubated in the primary antibody at a dilution of 1 : 1000 ON/4°C with agitation. The antibody solution was decanted, and the blot was rinsed briefly twice, then washed once for 15 min and 2 times for 5 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 5% milk for 1h/RT with agitation. The blot was washed as above, plus one last wash with TBS (without Tween) for 5 min and developed with a following chemiluminescent detection reagent. Exposure time were: 30 seconds, 4 min, 20 seconds, 10 seconds and 2 min (DCP5 HA *Nicotiana benthamiana* & DCP5 *Arabidopsis thaliana*, respectively).

Courtesy of Dr. Manuel González Fuente, Faculty of Biology and Biotechnology, Ruhr-University of Bochum, Germany