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Product no AS23 4987

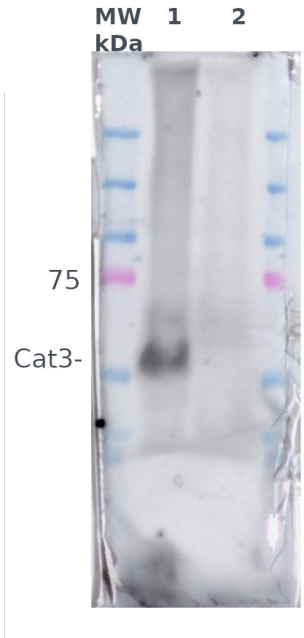
Anti-Cat3 | Catalase 3

Product information

Immunogen	KLH-conjugated peptide derived from *Arabidopsis thaliana* catalase 3 protein sequence, UniProt: Uniprot: Q42547-1TAIR: AT1G20620
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	56.7 kDa
Confirmed reactivity	*Arabidopsis thaliana*
Predicted reactivity	*Brassica napus* 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 released in December 2025.



20 µl/well of total protein extracted freshly from *Arabidopsis thaliana* with extraction buffer containing: protease inhibitor, glycerol, sodium phosphate buffer, EDTQ, NaCl, SDS, Mg132, NP-40, sodium deoxycholate and denatured with heat-block at 80°C for 5 min. Col-0 *Arabidopsis thaliana* (1) and cat2/3 double mutant *Arabidopsis thaliana* (2) were separated on 10% SDS-Page and blotted 1 h to nitrocellulose (pore size of 0.45 µm), using semi-dry transfer. Blot was blocked with 5% skim milk (2.5 g skim milk powder + 50 mL TBS (1X)) 65 rpm / 1 hr /RT. Blot was incubated in the primary antibody at a dilution of 1: 1000 for 4 hr/RT with agitation in 1% skim-milk + TBS-T with agitation in the dark. Blot was

incubated in Agrisera matching secondary antibody (anti-rabbit IgG horse radish peroxidase conjugated) diluted to 1:20 000 in TBS for 1 h/RT with agitation. The antibody solution was decanted, and the blot was rinsed using 1X TBS-T at RT with agitation for 3 times, each taking 15 min, total of 45 min. The blot was washed as above and developed for 1m with chemiluminescent detection reagent of femtogram sensitivity. Exposure time was 6 minutes.