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Product no AS21 4531

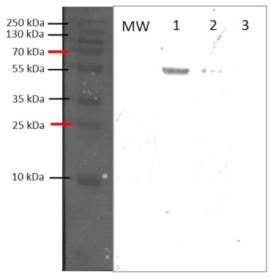
Anti-Cat2 | Catalase-2

Product information

Immunogen	Full-length, recombinant catalase 2 from *Arabidopsis thaliana* catalase-2 UniProt: P25819 TAIR; At4g35090
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.

Application information

Recommended dilution	1 : 1000 (WB)
Expected | apparent MW	56.9 | 55 kDa
Confirmed reactivity	*Arabidopsis thaliana, Brassica napus, Oryza sativa*
Predicted reactivity	*Cannabis sativa, Gossypium hirsutum, Salicornia brachiata, Theobroma cacao* Species of your interest not listed? Contact us
Not reactive in	No confirmed exceptions from predicted reactivity are currently known



Sample description 1- 15 µg of *Arabidopsis thaliana* Col-0 extract 2- 15 µg of *Arabidopsis thaliana* cat2 extract (replicate 1) 3- 15 µg of *Arabidopsis thaliana* cat2 extract (replicate 2)
MW markers: from Thermo Fisher (Product #26619)

15 µg of total protein from 4-weeks-old *Arabidopsis thaliana* plants extracted with Tris-HCl 50 mM pH 7.8, 0.1 mM EDTA, 0.2 % (V/V) Triton X-100; prepared in 0.063 M Tris-HCl buffer, pH 6.8, containing 2 % sodium dodecyl sulfate (SDS; w/v), 10 % glycerol (v/v), 0.006 % bromophenol blue (w/v) and 10 mM DTT; and denatured at 95 °C for 5 min. Proteins were separated on 12 % SDS-PAGE and blotted 1 h to PVDF using semi-dry transfer. Blots were blocked with 3 % (w/v) skimmed milk powder diluted in TBS-T O/N at 4 °C with agitation. Blot was incubated in the primary antibody at a dilution of 1: 2.000 for 1 h at RT with agitation in TBS-T + 3 % (w/v) of skimmed milk powder. The antibody solution was decanted and the blot was washed 3 times for 10 min in TBS-T + 3 % (w/v) of skimmed milk powder at RT with agitation. Blot was incubated in secondary antibody (anti-rabbit IgG horse radish peroxidase conjugated, from Agrisera, Product No: AS09 602 lot 2012) diluted to 1:10.000 in TBS-T + 3 % (w/v) of skimmed milk powder for 1 h at RT with agitation. The blot was washed as above but with TBS and developed for 5 min with chemiluminescent detection reagent. Exposure time was 20 seconds.

Courtesy of Dr. Luisa M. Sandalio, CISIC, Spain