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Product no AS19 4300

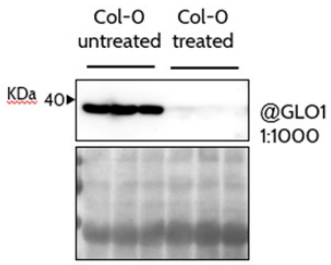
Anti-GLO1 | (S)-2-hydroxy-acid oxidase GLO1

Product information

Immunogen	KLH-conjugated peptide derived from *Arabidopsis thaliana* GLO1 protein sequence, UniProt: Q9LRR9, TAIR: AT3G14420
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 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 - 1; 5000 (WB)
Expected | apparent MW	40 kDa
Confirmed reactivity	*Arabidopsis thaliana*
Predicted reactivity	*Brassica napus,Brassica oleracea,Capsicum annuum,Daucus carota, Hordeum vulgare, Oryza sativa (GLO1 least conservation,3,5), Physcomitrium patens, Raphanus sativus,Salvia hispanica, Sorghum bicolor, Tanacetum cinerariifolium, Vigna unguiculata*
Not reactive in	*Deschampsia antarctica, Lupinus luteus, Vicia faba*
Selected references	To be added when available, antibody released in May 2025.



Samples:

1 - 50 ug of *Arabidopsis thaliana* whole leaf extract
2 - 50 ug of *Arabidopsis thaliana* mutant

15 µg/well of total protein extracted from whole leaves of *Aranidopsis thaliana*, in 2X laemmli buffer and denatured with exact buffer components at 70°C/10 min. Samples were separated on tris/glycine 11 % acryl gel and blotted for 2h at 170mA on PVDF (Millipore), using: wet transfer. 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 in TBST+5% milk. The antibody solution was decanted and the blot was rinsed briefly twice, then washed 3 times for 10 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 for 1h/RT with agitation (tested provided secondary). The blot was washed as above and developed with a following chemiluminescent detection reagent: Agrisera Bright (mid picogram detection range).
Exposure time was 30sec.

Courtesy of Dr. Marion Clavel, Gregor Mendel Institute of Molecular Plant Biology, Austria