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Product no AS24 5008

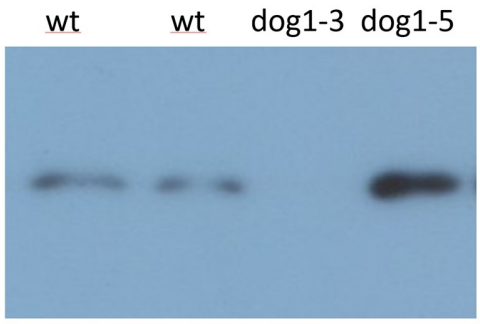
Anti-DOG1 alpha splice variant

Product information

Immunogen	KLH-conjugated peptide derived from *Arabidopsis thaliana* DOG1 protein sequence. UniProt: A0SVK0 TAIR: AT5G45830
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	32.4 kDa
Confirmed reactivity	*Arabidopsis thaliana*
Predicted reactivity	*Brachypodium distachyon, Brassica napus, Capsella rubella, Lepidium papillosum, Sisymbrium officinale* 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 January 2025.



Samples
wt: *Arabidopsis thaliana*
wild type dog1-3: *Arabidopsis thaliana* knockout of DOG1 gene
dog1-5: *Arabidopsis thaliana* increased expression of DOG1 protein

25 µg/well of total protein extracted freshly from dry seeds of *Arabidopsis thaliana*. Were denatured at 90°C/5 mintues. Samples were separated in the cold on 10 % SDS-PAGE and blotted for 1 h to PVDF membrane (pore size of 0.45 µm), using: wet transfer in the cold. Blot was blocked with 5 % milk in TBS-T at 4°C/ON with agitation. Blot was incubated in the primary antibody at a dilution of 1: 2 000 in 5 % milk in TBS-T for ON/4°C with agitation. The antibody solution was decanted and the blot was rinsed briefly twice, then washed once for 15 min and 3 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: 20 000 in 5 % milk in TBS-T for h/RT with agitation. The blot was washed as above and developed with a fchemiluminescent detection reagent: AGFA G153 Developer (REF HT536, Agfa Corporation) and Carestream Dental X-ray Fixer (REF 5060694, Carestream Health). Exposure time was 7 minutes.