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Datasheet for ABIN5326730
anti-ACD1 antibody

Overview

Quantity:	50 µL
Target:	ACD1
Reactivity:	Arabidopsis thaliana
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB)

Product Details

Immunogen:	recombinant PaO from Arabidopsis thaliana Q9FYC2, At3g44880
Cross-Reactivity:	Arabidopsis thaliana
Cross-Reactivity (Details):	dicots including: Brassica napus, Lycopersicum esculentum, Nicotiana tabacum
Predicted Reactivity:	dicots including: Brassica napus, Lycopersicum esculentum, Nicotiana tabacum
Characteristics:	Expected / apparent Molecular Weight of the Antigene: 61 / 54 kDa Acd1 (accelerated cell death 1) EC=1.14.12.20 is an enzyme involved in chlorophyll breakdown, pheophorbide a oxygenase. This enzyme seems to induce cell death in Arabidopsis leaves in the dark. Synonymes: PaO, Lls1, lethal leaf-spot 1 homolog, pheide a oxygenase
Purification:	serum

Target Details

Target:	ACD1
Alternative Name:	accelerated cell death 1 (Acd1)

Target Details

Background:	AGI Code: At3g44880 Acd1 (accelerated cell death 1) EC=1.14.12.20 is an enzyme involved in chlorophyll breakdown, pheophorbide a oxygenase. This enzyme seems to induce cell death in Arabidopsis leaves in the dark. Synonymes:PaO, Lls1, lethal leaf-spot 1 homolog, pheide a oxygenase
Molecular Weight:	expected: 61 kDa, apparent: 54 kDa
UniProt:	Q9FYC2

Application Details

Application Notes:	Recommended Dilution: 1 : 5000 with standard ECL (WB)
Comment:	This antibody works on total cell extracts and can be used as a senescence marker. Predicted size of Acd1 precursor protein is about 61 kD including the transit peptide, but it must be processed to a smaller size. Using fresh extracts is recommended to decrease possible cross-reaction with Rubisco.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
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