



DISCOVERY®
ANTIBODIES

Data Sheet

Anti-SUMO1 antibody

Product Description	Anti-SUMO1 antibody raised against the Arabidopsis SUMO1
Cross reactivity	Arabidopsis, Rice, Wheat, Tomato, Barley
Antigen	Arabidopsis Small Ubiquitin-like Modifier 1 protein
Catalogue Number	crb2005271d
Batch Number	CRB235
Host Species	Rabbit Polyclonal IgG
Formulation & Storage	The product should be stored at -20°C for for short term storage and long term storage. Avoid repeated freeze/ thaw cycles.
Quantity	20µg at 0.25 mg/ml
Method of Preparation	Crude antiserum was purified by affinity chromatography using SUMO1 protein
Recommended Concentration	1:2000 (WB)
Validation	Please see overleaf
Citations	Orosa et al. Nat Commun. 2018 Dec 5;9(1):5185. doi: 10.1038/s41467-018-07696-8. PMID: 30518761
Research Use	For research use only, not for use in diagnostic procedures

Certified by

Ling-I Su

Date: 26th June 2020

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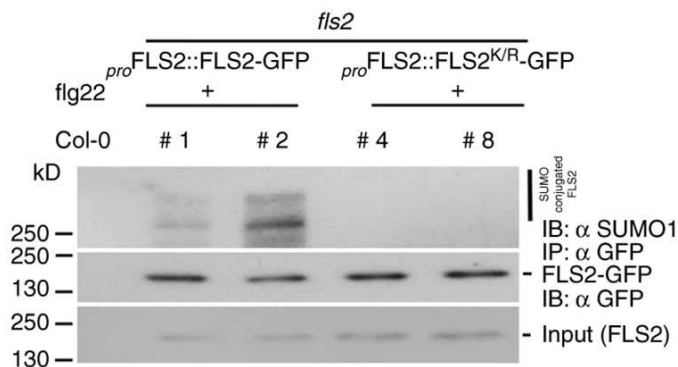
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Anti-SUMO1 antibody

Validation



Anti-SUMO1 antibody (crb2005271)

SUMO conjugation to FLS2 is *flg22* dependant and required for innate immunity in Arabidopsis. Mutation of Lysine 1120 to Arginine in FLS2 (FLS2K/R) abolishes SUMOylation. Immunoprecipitation (IP: αGFP) was carried out with anti-GFP beads from total protein derived from two independent transgenic lines expressing proFLS2::FLS2-GFP (*fls2*) treated either with MgCl₂ or 1 μM *flg22* for 10 min. Immunoblots were probed with anti-GFP (IB: αGFP) or anti-SUMO1/2 (IB: αSUMO1) antibodies. Col-0 was used as a negative control.

Material Safety Data

THIS PRODUCT IS FOR RESEARCH USE ONLY AND IS NOT INTENDED FOR DIAGNOSTIC, THERAPEUTIC OR HUMAN USE

It is recommended that this material be handled by persons trained in laboratory techniques. Standard Laboratory Practices should be followed when handling this material.

The toxicological properties of this material have not been thoroughly investigated. Appropriate measures should be taken to avoid skin and eye contact, inhalation and ingestion. In case of contact with skin or eyes, wash immediately with water. In case of ingestion or inhalation, medical advice should be sought.

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