



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 | crb2005271f |
| 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 | 100µg 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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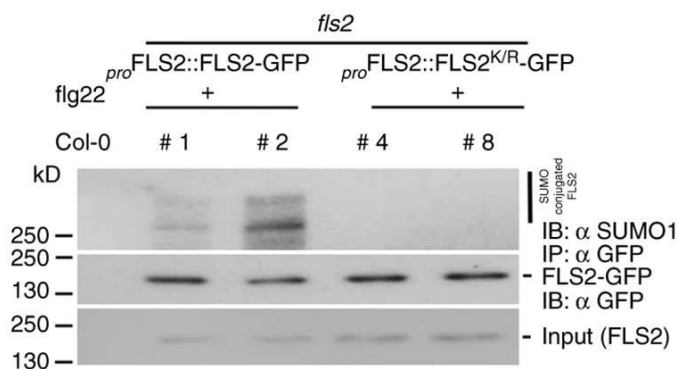
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Anti-SUMO1 antibody

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: α GFP) 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 μ M flg22 for 10 min. Immunoblots were probed with anti-GFP (IB: α GFP) or anti-SUMO1/2 (IB: α SUMO1) 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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