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Datasheet for ABIN7140582

**anti-SUN1 antibody (AA 2-105) (Biotin)**

## Overview

Quantity:	100 µL
Target:	SUN1
Binding Specificity:	AA 2-105
Reactivity:	Arabidopsis thaliana
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SUN1 antibody is conjugated to Biotin
Application:	ELISA

## Product Details

Immunogen:	Recombinant Arabidopsis thaliana SUN domain-containing protein 1 protein (2-105AA)
Isotype:	IgG
Cross-Reactivity:	Arabidopsis thaliana
Purification:	>95%, Protein G purified

## Target Details

Target:	SUN1
Alternative Name:	SUN1 ( <a href="#">SUN1 Products</a> )
Background:	Background: Component of SUN-protein-containing multivariate complexes also called LINC complexes which link the nucleoskeleton and cytoskeleton by providing versatile outer nuclear

## Target Details

membrane attachment sites for cytoskeletal filaments (PubMed: 24667841, PubMed: 25759303). Required for the maintenance and/or formation of polarized nuclear shape in root hairs (PubMed: 21294795, PubMed: 25759303). Modulates the anchoring and mobility of WIP proteins and RANGAP1 in the nuclear envelope (NE) (PubMed: 22270916). In association with SUN2, may be involved in telomere attachment to nuclear envelope in the prophase of meiosis (PubMed: 25412930). As component of the SUN-WIP-WIT2-KAKU1 complex, mediates the transfer of cytoplasmic forces to the nuclear envelope (NE), leading to nuclear shape changes (PubMed: 25759303).

Aliases: SUN1 antibody, At5g04990 antibody, MUG13.15 antibody, SUN domain-containing protein 1 antibody, AtSUN1 antibody

UniProt: [Q9FF75](#)

Pathways: [Maintenance of Protein Location](#)

## Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, -80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.