



# Rabbit anti-Arabidopsis thaliana APROS1 (N-term) Polyclonal Antibody (CABT-Z134R)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Immunogen</b>	Antibodies were produced by immunizing animals with a GST-fusion protein containing the N-terminal region of arabidopsis thaliana APROS1.
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Arabidopsis thaliana
<b>Purification</b>	Antigen affinity purification
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB Recommended dilution: WB: 1:500-1:2,000 (detect endogenous protein*)
<b>Molecular Weight</b>	Predicted M.W.: 157 kDa; Observed M.W.: 110 kDa
<b>Preparation</b>	Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the N-terminal region of arabidopsis thaliana APROS1 (At2g36490).
<b>Format</b>	Liquid
<b>Concentration</b>	Lot specific
<b>Size</b>	100 µl
<b>Buffer</b>	Supplied in 1 x PBS (pH 7.4), 100 ug/ml BSA, 40% Glycerol, 0.01% NaN <sub>3</sub> .
<b>Preservative</b>	0.01% NaN <sub>3</sub>

<b>Storage</b>	Store at -20°C. Stable for 6 months from date of receipt.
----------------	---

<b>Ship</b>	Wet ice
-------------	---------

## BACKGROUND

<b>Introduction</b>	REPRESSOR OF SILENCING1 (ROS1) is a repressor of transcriptional gene silencing. ROS1 functions by demethylating the target promoter DNA. ROS1 interacts physically with RPA2/ROR1. In the <i>ros1</i> mutants, an increase in methylation is observed in a number of gene promoters. Among the loci affected by <i>ros1</i> , a few (RD29A and At1g76930) are affected in cytosine methylation in all sequence contexts (CpG, CpNpG or CpNpN), although many others are affected primarily in non-CpG contexts.
---------------------	--

<b>Keywords</b>	ATROS1;DEMETER-LIKE 1;DML1;REPRESSOR OF SILENCING1;ROS1;AP lyase ROS1
-----------------	---

## GENE INFORMATION

<b>Gene Name</b>	ROS1
------------------	------

<b>Entrez Gene ID</b>	<a href="#">818224</a>
-----------------------	------------------------

<b>UniProt ID</b>	<a href="#">Q9SJQ6</a>
-------------------	------------------------