



Rabbit anti-Arabidopsis thaliana IDM1 (C-term) Polyclonal Antibody (CABT-Z087R)

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

PRODUCT INFORMATION

Immunogen	Antibodies were produced by immunizing animals with a GST-fusion protein containing the C-terminal region of arabidopsis thaliana IDM1.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Arabidopsis thaliana
Purification	Antigen affinity purification
Conjugate	Unconjugated
Applications	WB Recommended dilution: WB: 1:1,000-1:3,000 (detect endogenous protein*)
Molecular Weight	131 kDa
Preparation	Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the C-terminal region of arabidopsis thaliana IDM1 (At3g14980).
Format	Liquid
Concentration	Lot specific
Size	100 µl
Buffer	Supplied in 1 x PBS (pH 7.4), 100 ug/ml BSA, 40% Glycerol, 0.01% NaN ₃ .
Preservative	0.01% NaN ₃

Storage	Store at -20°C. Stable for 6 months from date of receipt.
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Ship	Wet ice
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BACKGROUND

Introduction	IDM1 is a histone H3 acetyltransferase that regulates DNA demethylation in Arabidopsis. IDM1 is capable of recognizing methylated DNA through its MBD domain and recognizing unmethylated histone H3K4 through its PHD domain. IDM1 negatively regulates DNA demethylation, preventing DNA hypermethylation of highly homologous multicopy genes and other repetitive sequences.
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Keywords	Histone H3 acetyltransferase IDM1;INCREASED DNA METHYLATION 1;REPRESSOR OF SILENCING 4;ROS4
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GENE INFORMATION

Gene Name	IDM1
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Entrez Gene ID	820727
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UniProt ID	F4IXE7
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