



Rabbit anti-Arabidopsis thaliana MICRORCHIDIA 1 (C-term) Polyclonal Antibody (CABT-Z095R)

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 C-terminal region of arabidopsis thaliana MICRORCHIDIA 1.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Arabidopsis thaliana
Purification	Antigen affinity purification
Conjugate	Unconjugated
Applications	WB Recommended dilution: WB: 1:500-1:2,000 (detect endogenous protein*)
Molecular Weight	71 kDa
Preparation	Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing C-terminal region of arabidopsis thaliana MICRORCHIDIA 1 (At4g36290).
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.
Ship	Wet ice

BACKGROUND

Introduction	MORC1 (Protein MICRORCHIDIA 1) is a mediator of defense signaling triggered by distinct classes of R proteins. MORC1 is required during hypersensitive response (HR) that confers disease resistance to turnip crinkle virus (TCV). MORC1 exhibits ATPase activity. MORC1 is required for pathogen-associated molecular pattern (PAMP)-triggered immunity (PTI), basal resistance, non-host resistance and systemic acquired resistance (SAR). MORC1 binds DNA/RNA in a non-specific manner and exhibits endonuclease activity. MORC1 is probably involved in DNA repair. MORC1 is required for both RPP8- and SSI4-mediated resistance responses, thus being involved in both TIR- and CC-NB-LRR pathways. MORC1 is involved in RNA-directed DNA methylation (RdDM) as a component of the RdDM machinery and required for gene silencing. MORC1 may also be involved in the regulation of chromatin architecture to maintain gene silencing.
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Keywords	Protein MICRORCHIDIA 1;Protein COMPROMISED RECOGNITION OF TCV 1;AtMORC1;CRT1;At4g36290
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GENE INFORMATION

Gene Name	MORC1
Entrez Gene ID	829786
UniProt ID	Q84WV6