

Datasheet for ABIN7140389  
**anti-ADCY1 antibody (AA 1-358)**



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## Overview

Quantity:	100 µg
Target:	ADCY1
Binding Specificity:	AA 1-358
Reactivity:	African cassava mosaic virus (ACMV)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ADCY1 antibody is un-conjugated
Application:	ELISA

## Product Details

Immunogen:	Recombinant African cassava mosaic virus Replication-associated protein (1-358AA)
Isotype:	IgG
Cross-Reactivity:	African cassava mosaic virus (ACMV)
Purification:	>95%, Protein G purified

## Target Details

Target:	ADCY1
Alternative Name:	AC1 ( <a href="#">ADCY1 Products</a> )
Background:	Background: Essential for the replication of viral ssDNA. The closed circular ssDNA genome is first converted to a superhelical dsDNA. Rep binds a specific region at the genome origin of

## Target Details

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replication. It introduces an endonucleolytic nick within the conserved sequence 5'-TAATATTAC-3' in the intergenic region of the genome present in all geminiviruses, thereby initiating the rolling circle replication (RCR). Following cleavage, binds covalently to the 5'-phosphate of DNA as a tyrosyl ester. The cleavage gives rise to a free 3'-OH that serves as a primer for the cellular DNA polymerase. The polymerase synthesizes the (+) strand DNA by rolling circle mechanism. After one round of replication, a Rep-catalyzed nucleotidyl transfer reaction releases a circular single-stranded virus genome, thereby terminating the replication. Displays origin-specific DNA cleavage, nucleotidyl transferase, ATPase and helicase activities (By similarity).

Aliases: AC1 antibody, AL1 antibody, Replication-associated protein antibody, Rep antibody, EC 2.7.7.- antibody, EC 3.1.21.- antibody, 40.4 kDa protein antibody, Protein AC1 antibody, Protein AL1 antibody

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UniProt: [P14982](#)

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Pathways: [EGFR Signaling Pathway](#), [Neurotrophin Signaling Pathway](#), [Thyroid Hormone Synthesis](#), [cAMP Metabolic Process](#), [Myometrial Relaxation and Contraction](#), [G-protein mediated Events](#), [Interaction of EGFR with phospholipase C-gamma](#)

## Application Details

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

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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

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Preservative: ProClin

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

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Storage: -20 °C,-80 °C

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