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Datasheet for ABIN7140392 anti-ADCY1 antibody (AA 1-358) (HRP)



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 conjugated to HRP
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 (ADCY1 Products)
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

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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
UniProt:	P14982
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

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.

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