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Datasheet for 600-401-GC8

ZC3HAV1 Antibody

Overview

Description:	Anti-ZC3HAV1 (RABBIT) Antibody - 600-401-GC8
Item No.:	600-401-GC8
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	The zinc finger antiviral protein (ZC3HAV1) is a CCCH type zinc finger protein that induces an innate immunity to infections by retrovirus by preventing the accumulation of viral RNAs in the cytoplasm and recruits the RNA processing exosome to degrade target RNAs, thereby inhibiting virus replication. ZC3HAV1 is localized in the cytoplasm at steady state, but shuttles between nucleus and cytoplasm in a XPO1-dependent manner. ZAP is a direct target gene of IRF3 action in cellular antiviral responses.
Synonyms:	ZC3HAV1 Antibody, ZAP, ZC3H2, ARTD13, PARP13, FLB6421, ZC3HDC2, PRO1677, Zinc finger CCCH-type antiviral protein 1, ADP-ribosyltransferase diphtheria toxin-like 13
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	ZC3HAV1
Reactivity:	Human
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-ZC3HAV1 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 14 amino acid synthetic peptide near the C-terminus of human ZC3HAV1.

Purity/Specificity:	Anti-ZC3HAV1 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with ZC3HAV1 from other sources has not been determined.
Relevant Links:	• UniProtKB - Q7Z2W4 • GeneID - 56829 • NCBI - NP_064504.2

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-ZC3HAV1 Antibody has been tested for use in ELISA, Western Blotting, Immunocytochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 101 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000
IF:	20 µg/mL
WB:	1 µg/mL

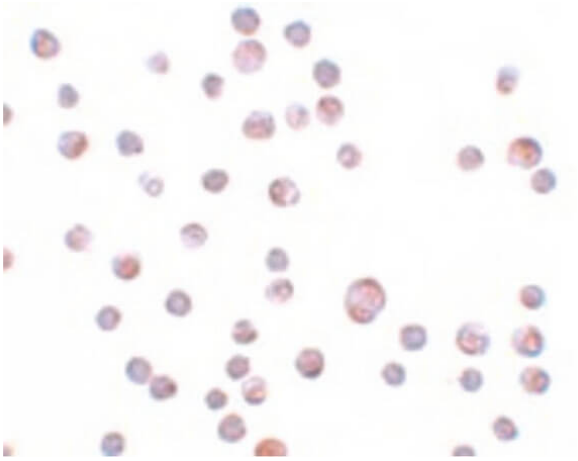
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

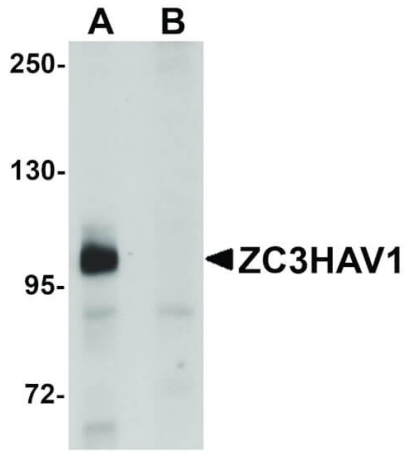
Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

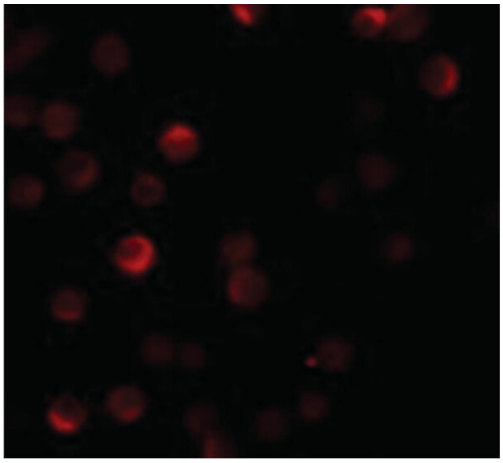
Images



Immunohistochemistry
Immunocytochemistry of ZC3HAV1 antibody. Tissue: HeLa cells. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: ZC3HAV1 antibody at 20 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: ZC3HAV1 is nuclear. Staining: ZC3HAV1 as precipitated blue signal with brown nuclear counterstain.



Western Blot
Western Blot of ZC3HAV1 antibody. Lane 1: HeLa cell lysate in the absence of blocking peptide. Lane 2: HeLa cell lysate in the presence of blocking peptide. Primary Antibody: anti-ZC3HAV1 antibody at 1 µg/mL. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C.
Predicted/Observed size: 101 kDa, 101 kDa for ZC3HAV1.
Other band(s): ZC3HAV1 splice variants and isoforms.



Immunofluorescence Microscopy
Immunofluorescence Microscopy of ZC3HAV1 antibody. Tissue: HeLa cells. Fixation: 0.5% PFA. Antigen retrieval: not required. Primary antibody: ZC3HAV1 antibody at 20 µg/mL for 1 h at RT. Secondary antibody: Fluorescein rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: ZC3HAV1 is nuclear. Staining: ZC3HAV1 as red fluorescent signal.

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