

## anti- ZC3HAV1 antibody

### Product Information

Catalog No.:	CAF50376
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

### Background

Antiviral protein which inhibits the replication of viruses by recruiting the cellular RNA degradation machineries to degrade the viral mRNAs. Binds to a ZAP-responsive element(ZRE) present in the target viral mRNA, recruits cellular poly(A)-specific ribonuclease PARN to remove the poly(A) tail, and the 3'-5' exoribonuclease complex exosome to degrade the RNA body from the 3'-end. It also recruits the decapping complex DCP1-DCP2 through RNA helicase p72(DDX17) to remove the cap structure of the viral mRNA to initiate its degradation from the 5'-end. Its target viruses belong to families which include retroviridae: human immunodeficiency virus type 1(HIV-1), moloney and murine leukemia virus(MoMLV) and xenotropic MuLV-related virus(XMRV), filoviridae: ebola virus(EBOV) and marburg virus(MARV), togaviridae: sindbis virus(SINV) and Ross river virus(RRV). Specifically targets the multiply spliced but not unspliced or singly spliced HIV-1 mRNAs for degradation. Isoform 1 is a more potent viral inhibitor than isoform 2. Isoform 2 acts as a positive regulator of DDX58/RIG-I signaling resulting in activation of the downstream effector IRF3 leading to the expression of type I IFNs and IFN stimulated genes(ISGs).

### Immunogen information

Immunogen:	zinc finger CCCH-type, antiviral 1
Synonyms:	DKFZp686F2052, DKFZp686H1869, DKFZp686O19171, FLB6421, FLJ13288, ZAP, ZC3H2, ZC3HAV1, ZC3HDC2, Zinc finger antiviral protein
Observed MW:	101 kDa
Uniprot ID :	Q7Z2W4

### Application

**This Antibody is for Research Use Only. Not for Diagnostic Procedures.**

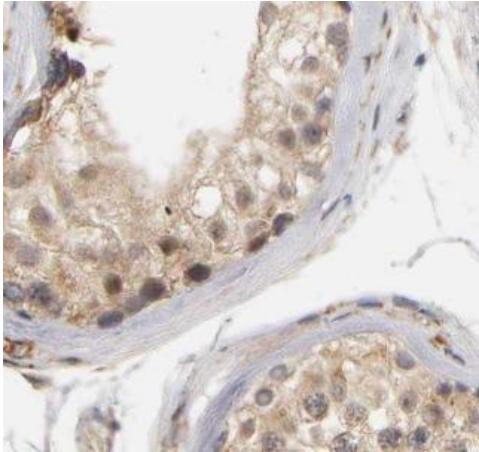
This is a sample Antibody manual only. Always refer to the hard copy manual included in the Antibody for your experiment.

Reactivity: Human, Mouse, Rat

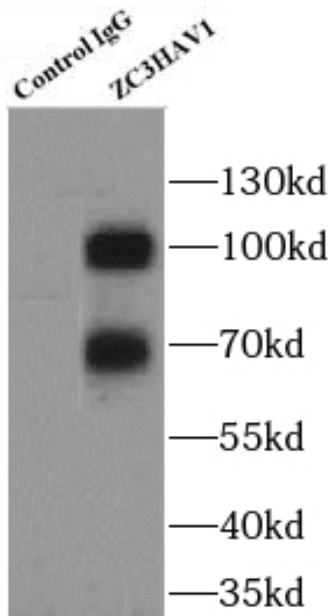
Tested Application: ELISA, WB, IHC

Recommended dilution: WB: 1:1000-1:10000; IHC: 1:20-1:200; IP: 1:1000-1:4000

Image:



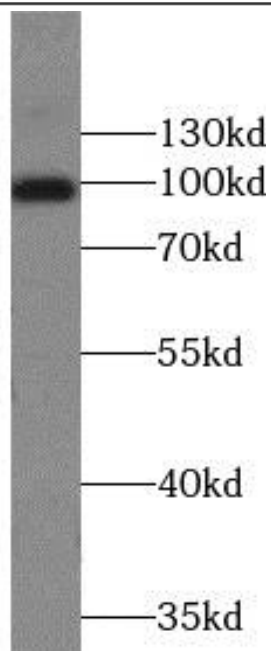
Immunohistochemistry of paraffin-embedded human testis tissue slide using CAF50376(ZC3HAV1 Antibody) at dilution of 1:50



IP Result of anti-ZC3HAV1 (IP: CAF50376, 4ug; Detection: CAF50376 1:2000) with HeLa cells lysate 1000ug.

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HEK-293 cells were subjected to SDS PAGE followed by western blot with CAF50376(ZC3HAV1 Antibody) at dilution of 1:4000

ONLY

SAMPLE

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