

Datasheet for ABIN7120939 **anti-ZC3HAV1 antibody**



[Go to Product page](#)

Overview

| | |
|--------------|--|
| Quantity: | 100 µg |
| Target: | ZC3HAV1 |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This ZC3HAV1 antibody is un-conjugated |
| Application: | Western Blotting (WB), ELISA, Immunohistochemistry (IHC) |

Product Details

| | |
|---------------|------------------------------------|
| Immunogen: | zinc finger CCCH-type, antiviral 1 |
| Isotype: | IgG |
| Purification: | Immunogen affinity purified |
| Purity: | ≥95 % as determined by SDS-PAGE |

Target Details

| | |
|-------------------|--|
| Target: | ZC3HAV1 |
| Alternative Name: | ZC3HAV1 (ZC3HAV1 Products) |
| Background: | Synonyms:DKFZp686F2052, DKFZp686H1869, DKFZp686O19171, FLB6421, FLJ13288, ZAP, ZC3H2, ZC3HAV1, ZC3HDC2, Zinc finger antiviral protein 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 |

Target Details

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).

Molecular Weight: 101 kDa

Gene ID: 56829

UniProt: [Q7Z2W4](#)

Application Details

Application Notes: WB: 1:1000-1:10000, IHC: 1:20-1:200, IP: 1:1000-1:4000

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: PBS with 0.02 % sodium azide and 50 % glycerol pH 7.3,

Preservative: Sodium azide

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

Storage: -20 °C

Storage Comment: -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

Expiry Date: 12 months