

Datasheet for ABIN7271543  
**anti-ZCCHC3 antibody (AA 215-335)**



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2 Images

Overview

Quantity:	100 µL
Target:	ZCCHC3
Binding Specificity:	AA 215-335
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ZCCHC3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Purpose:	ZCCHC3 Rabbit pAb
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 215-335 of human ZCCHC3 (NP_149080.2).
Sequence:	SFRSAEKLAL FLRVYEEKRE QEDCWENFVW LGRSKSSLKT LFILFRNETV DVEDIVTWLK RHCDVLAVPV KVTDRFGIWT GEYKCEIELR QGEGGVRHLP GAFFLGAERG YSWYKGQPKT C
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

## Target Details

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Target: ZCCHC3

Alternative Name: ZCCHC3 ([ZCCHC3 Products](#))

Background: Nucleic acid-binding protein involved in innate immune response to DNA and RNA viruses. Binds DNA and RNA in the cytoplasm and acts by promoting recognition of viral nucleic acids by virus sensors, such as DDX58/RIG-I, IFIH1/MDA5 and CGAS. Acts as a co-sensor for recognition of double-stranded DNA (dsDNA by cGAS in the cytoplasm, thereby playing a role in innate immune response to cytosolic dsDNA and DNA virus. Binds dsDNA and probably acts by promoting sensing of dsDNA by CGAS, leading to enhance CGAS oligomerization and activation. Promotes sensing of viral RNA by RIG-I-like receptors proteins DDX58/RIG-I and IFIH1/MDA5 via two mechanisms: binds double-stranded RNA (dsRNA, enhancing the binding of DDX58/RIG-I and IFIH1/MDA5 to dsRNA and promotes 'Lys-63'-linked ubiquitination and subsequent activation of DDX58/RIG-I and IFIH1/MDA5. ZCCHC3, C20orf99, Epigenetics & Nuclear Signaling, RNA Binding, Cell Biology & Developmental Biology, ZCCHC3

Molecular Weight: 43kDa

Gene ID: 85364

UniProt: [Q9NUD5](#)

## Application Details

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Application Notes: WB, 1:500 - 1:2000, IF, 1:50 - 1:200

Restrictions: For Research Use only

## Handling

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Format: Liquid

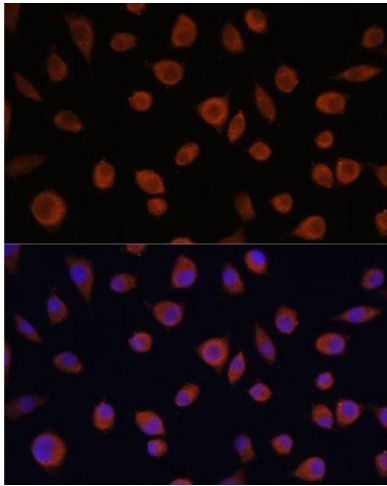
Buffer: PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3.

Preservative: Sodium azide

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

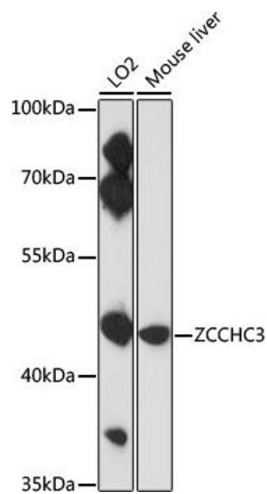
Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



### Immunofluorescence

**Image 1.** Immunofluorescence analysis of L929 cells using ZCCHC3 antibody (ABIN7271543) at dilution of 1:100. Blue: DAPI for nuclear staining.



### Western Blotting

**Image 2.** Western blot analysis of extracts of various cell lines, using ZCCHC3 antibody (ABIN7271543) at 1:3000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 30s.