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ZCCHC3 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20315c

Product Information

Application	WB, E
Primary Accession	Q9NUD5
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB40474
Calculated MW	43547
Antigen Region	210-238

Additional Information

Gene ID	85364
Other Names	Zinc finger CCHC domain-containing protein 3, ZCCHC3, C20orf99
Target/Specificity	This ZCCHC3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 210-238 amino acids from the Central region of human ZCCHC3.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	ZCCHC3 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	ZCCHC3 (HGNC:16230)
Function	Nucleic acid-binding protein involved in innate immune response to DNA and RNA viruses (PubMed:30135424, PubMed:30193849). Binds DNA and RNA in the cytoplasm and acts by promoting recognition of viral nucleic acids by virus sensors, such as RIGI, IFIH1/MDA5 and CGAS (PubMed:30135424,

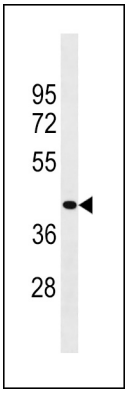
PubMed:30193849). Acts as a co-sensor for recognition of double-stranded DNA (dsDNA) by cGAS in the cytoplasm, thereby playing a role in innate immune response to cytosolic dsDNA and DNA virus (PubMed:30135424). Binds dsDNA and probably acts by promoting sensing of dsDNA by CGAS, leading to enhance CGAS oligomerization and activation (PubMed:30135424). Promotes sensing of viral RNA by RIGI- like receptors proteins RIGI and IFIH1/MDA5 via two mechanisms: binds double-stranded RNA (dsRNA), enhancing the binding of RIGI and IFIH1/MDA5 to dsRNA and promotes 'Lys-63'-linked ubiquitination and subsequent activation of RIGI and IFIH1/MDA5 (PubMed:30193849).

Cellular Location Cytoplasm.

Background

ZCCHC3 is a zinc-finger protein containing 3 CCHC-type zinc fingers.

Images



ZCCHC3 Antibody (Center) (Cat. #AP20315c) western blot analysis in HepG2 cell line lysates (35ug/lane).This demonstrates the ZCCHC3 antibody detected the ZCCHC3 protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.