

For Research Use Only

# ZC3H7A Polyclonal antibody

Catalog Number: 34174-1-AP



## Basic Information

Catalog Number:

34174-1-AP

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG40239

GenBank Accession Number:

NM\_014153.3

GeneID (NCBI):

29066

UNIPROT ID:

Q8IWR0

Full Name:

zinc finger CCCH-type containing 7A

Calculated MW:

110kDa, 971aa

Observed MW:

110 kDa

Purification Method:

Antigen affinity Purification

Recommended Dilutions:

WB: 1:1000-1:4000

IF/ICC: 1:200-1:800

## Applications

Tested Applications:

WB, IF/ICC, ELISA

Species Specificity:

human

Positive Controls:

WB : HeLa cells, HepG2 cells, L02 cells, MCF-7 cells

IF/ICC : A431 cells,

## Background Information

ZC3H7A (Zinc finger CCCH-type containing 7A, also known as HSPC055 or FLJ20318) is an RNA-binding protein containing zinc finger domains. This protein contains one C2H2-type zinc finger, three CCCH-type zinc fingers, and three TPR repeat sequences, belonging to the class III CCCH zinc finger protein family. ZC3H7A primarily functions in miRNA binding, where it recognizes miRNA hairpin sequences and participates in regulating miRNA biogenesis and processing. Research indicates that this protein plays a significant role in immune regulation: its expression is significantly upregulated upon macrophage activation, Th2 cell activation, and LPS stimulation, and it is enriched in immune organs such as the thymus and spleen. Notably, HIV vaccine studies have found that high expression of ZC3H7A is associated with decreased vaccine protective efficacy. Furthermore, genome-wide association studies suggest its correlation with QT interval duration, though the specific molecular mechanisms require further investigation.

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

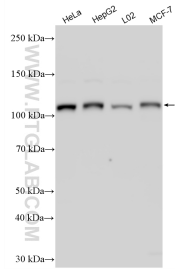
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

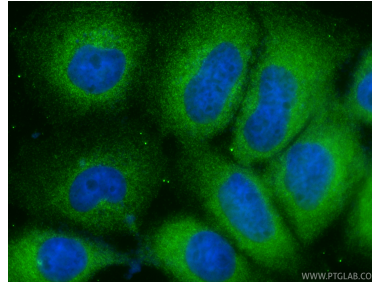
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 34174-1-AP (ZC3H7A antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Methanol) fixed A431 cells using ZC3H7A antibody (34174-1-AP) at dilution of 1:400 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).