

For Research Use Only

ZC3H7A Polyclonal antibody, PBS Only

Catalog Number: 34174-1-PBS



Basic Information

Catalog Number: 34174-1-PBS	GenBank Accession Number: NM_014153.3	Purification Method: Antigen affinity Purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 29066	
Source: Rabbit	UNIPROT ID: Q8IWRO	
Isotype: IgG	Full Name: zinc finger CCCH-type containing 7A	
Immunogen Catalog Number: AG40239	Calculated MW: 110kDa 971aa	
	Observed MW: 110 kDa	

Applications

Tested Applications:
WB, IF/ICC, Indirect ELISA

Species Specificity:
human

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

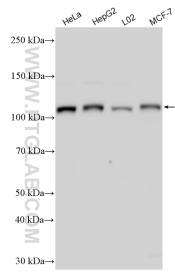
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

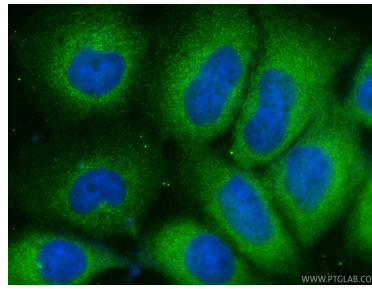
For technical support and original validation data for this product please contact:
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Selected Validation Data



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. This data was developed using the same antibody clone with 34174-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 34174-1-PBS in a different storage buffer formulation.