

For Research Use Only

# ZCCHC8 Polyclonal antibody

Catalog Number: 23374-1-AP

Featured Product

6 Publications



## Basic Information

<b>Catalog Number:</b> 23374-1-AP	<b>GenBank Accession Number:</b> BC065918	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul, Concentration: 400 µg/ml by Nanodrop and 253 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 55596	<b>Recommended Dilutions:</b> WB 1:2000-1:12000 IHC 1:50-1:500 IF 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> zinc finger, CCHC domain containing 8	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 707 aa, 79 kDa	
<b>Immunogen Catalog Number:</b> AG19985	<b>Observed MW:</b> 90-100 kDa	

## Applications

### Tested Applications:

IF, IHC, WB, ELISA

### Cited Applications:

CoIP, IP, WB

### Species Specificity:

human, mouse

### Cited Species:

human, mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

### Positive Controls:

WB: HEK-293 cells, mouse thymus tissue, HepG2 cells

IHC: human testis tissue,

IF: HepG2 cells,

## Background Information

The eukaryotic RNA exosome participates extensively in RNA processing and degradation. In human cells, three accessory factors (RBM7, ZCCHC8 and hMTR4) interact to form the nuclear exosome targeting (NEXT) complex, which directs a subset of non-coding RNAs for exosomal degradation. ZCCHC8 acts as a scaffold, mediating the interaction between RBM7 and MTR4. NEXT is involved in exosome-mediated surveillance and decay of noncoding RNAs, such as enhancer RNAs (eRNAs) and aberrant 3'-extended transcripts from small nuclear RNA (snRNA), telomerase RNA, and replication-dependent histone genes. NEXT is an important node in regulating nuclear exosome activities and takes part in several biological processes, including DNA damage response, stress response, and viral ribogenesis. ZCCHC8 also has a robust interaction with YTHDC1 (PMID: 28984244).

## Notable Publications

Author	Pubmed ID	Journal	Application
Jing Fan	30032211	Nucleic Acids Res	WB
Denis Torre	37995687	Mol Cell	WB,IP
Jingfan Liu	37756323	PLoS Genet	WB

## Storage

### Storage:

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

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

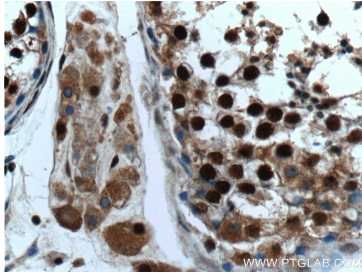
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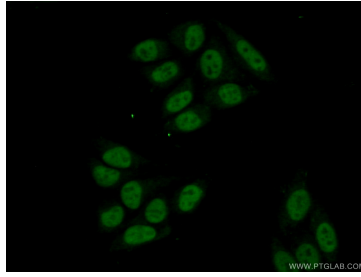
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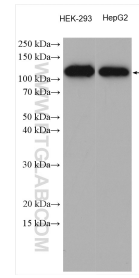
## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human testis tissue slide using 23374-1-AP (ZCCHC8 antibody) at dilution of 1:200 (under 40x lens).



Immunofluorescent analysis of (10% Formaldehyde) fixed HepG2 cells using 23374-1-AP (ZCCHC8 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Various lysates were subjected to SDS PAGE followed by western blot with 23374-1-AP (ZCCHC8 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.