

For Research Use Only

ZCCHC8 Polyclonal antibody

Catalog Number: 23374-1-AP

Featured Product

6 Publications



Basic Information

Catalog Number:

23374-1-AP

Size:

400 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG19985

GenBank Accession Number:

BC065918

GeneID (NCBI):

55596

UNIPROT ID:

Q6NZY4

Full Name:

zinc finger, CCHC domain containing
8

Calculated MW:

707 aa, 79 kDa

Observed MW:

90-100 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:2000-1:12000

IHC 1:50-1:500

IF 1:50-1:500

Applications

Tested Applications:

IF/ICC, IHC, WB, ELISA

Cited Applications:

WB, IP, CoIP

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

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

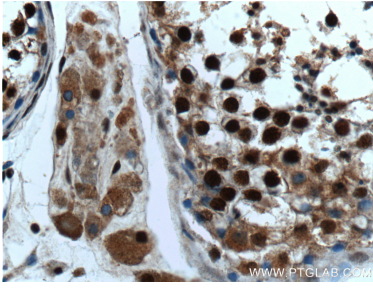
T: 4006900926

E: Proteintech-CN@ptglab.com

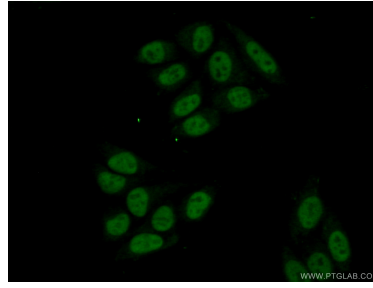
W: ptgcn.com

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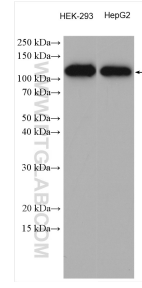
Selected Validation Data



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.