

ZCCHC4 Rabbit pAb

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Catalog # AP57143

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q9H5U6
Reactivity	Human
Predicted	Rat, Mouse, Rabbit, Dog, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	59010
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human ZCCHC4
Epitope Specificity	301-400/513
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	ZCCHC4 is a 513 amino acid protein that contains one CCHC-type zinc finger and one DHHC-type zinc finger and is thought to function as a methyltransferase. The gene encoding ZCCHC4 maps to human chromosome 4, which encodes nearly 6% of the human genome and has the largest gene deserts (regions of the genome with no protein encoding genes) of all of the human chromosomes. Defects in some of the genes located on chromosome 4 are associated with Huntington's disease, Ellis-van Creveld syndrome, methylmalonic acidemia and polycystic kidney disease.

Additional Information

Gene ID	29063
Other Names	rRNA N(6)-adenosine-methyltransferase ZCCHC4, 2.1.1.-, Zinc finger CCHC domain-containing protein 4, ZCCHC4 {ECO:0000303 PubMed:30531910, ECO:0000312 HGNC:HGNC:22917}
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

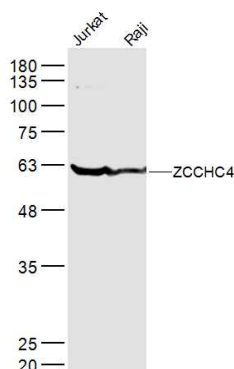
Protein Information

Name	ZCCHC4 {ECO:0000303 PubMed:30531910, ECO:0000312 HGNC:HGNC:22917}
Function	rRNA N6-methyltransferase that specifically methylates the adenine in position 4220 of 28S rRNA (PubMed: 30531910 , PubMed: 31328227 , PubMed: 31695039 , PubMed: 31799605). N6-methylation of adenine(4220) in 28S rRNA is required for translation (PubMed: 30531910 , PubMed: 31799605).
Cellular Location	Nucleus, nucleolus. Cytoplasm Note=Accumulates in the nucleolus, where ribosome biogenesis takes place.

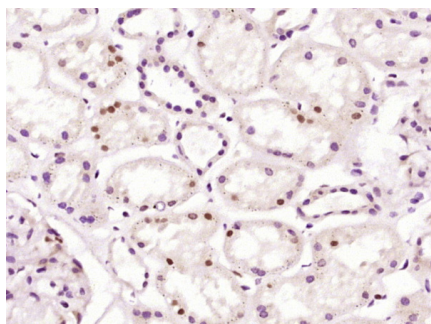
Background

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Images



Sample:
 Jurkat(Human) Cell Lysate at 30 ug
 Raji(Human) Cell Lysate at 30 ug
 Primary: Anti-ZCCHC4 (AP57143) at 1/300 dilution
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
 Predicted band size: 59 kD
 Observed band size: 59 kD



Paraformaldehyde-fixed, paraffin embedded (Human kidney); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (ZCCHC4) Polyclonal Antibody, Unconjugated (AP57143) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

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