

ZCPW1 Rabbit pAb

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Catalog # AP57153

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q9H0M4
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	72007
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human ZCPW1
Epitope Specificity	401-500/648
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	ZCPW1 contains 1 CW-type zinc finger and 1 PWWP domain. There are four named isoforms.

Additional Information

Gene ID	55063
Other Names	Zinc finger CW-type PWWP domain protein 1, ZCWPW1
Dilution	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	ZCWPW1
Function	Dual histone methylation reader specific for PRDM9-catalyzed histone marks (H3K4me3 and H3K36me3) (PubMed: 20826339 , PubMed: 32744506). Facilitates the repair of PRDM9-induced meiotic double-strand breaks (DSBs) (By similarity). Essential for male fertility and spermatogenesis (By similarity). Required for meiosis prophase I progression in male but not in female germ cells (By similarity).

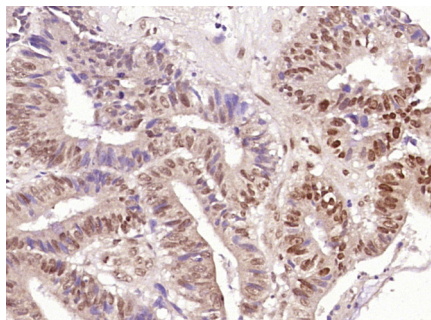
Cellular Location Nucleus {ECO:0000250|UniProtKB:Q6IR42}. Chromosome {ECO:0000250|UniProtKB:Q6IR42}

Tissue Location Testis.

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Images



Paraformaldehyde-fixed, paraffin embedded (Human colon cancer); 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 (ZCPW1) Polyclonal Antibody, Unconjugated (AP57153) 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'.