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EZHIP Rabbit pAb

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Catalog # AP55432

Product Information

Primary Accession	Q86X51
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	51894
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human CXorf67
Epitope Specificity	301-400/503
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	The function of this protein is not yet known.

Additional Information

Gene ID	340602
Other Names	EZH inhibitory protein, EZHIP (HGNC:33738)
Dilution	ELISA=1:5000-10000
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	EZHIP (HGNC:33738)
Function	Inhibits PRC2/EED-EZH1 and PRC2/EED-EZH2 complex function by inhibiting EZH1/EZH2 methyltransferase activity, thereby causing down- regulation of histone H3 trimethylation on 'Lys-27' (H3K27me3) (PubMed:29909548, PubMed:30923826, PubMed:31086175, PubMed:31451685). Probably inhibits methyltransferase activity by limiting the stimulatory effect of cofactors such as AEBP2 and JARID2 (PubMed:30923826). Inhibits H3K27me3 deposition during spermatogenesis and oogenesis (By similarity).

Cellular Location	Nucleus. Cytoplasm
Tissue Location	In testis, detected in male germ cells inside the seminiferous tubules, especially in spermatogonia and round spermatids (at protein level) (PubMed:31451685). In the ovary, expressed in primordial follicles and oocytes but not the external follicle cells (at protein level) (PubMed:31451685).

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