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MORC4 Rabbit pAb

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Catalog # AP56806

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q8TE76
Predicted	Rat, Dog, Human, Mouse, Rabbit, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	106348
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human MORC4
Epitope Specificity	321-420/937
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Nucleus
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	In human, the four current members of the microrchidia (morc) gene family share an N-terminal ATPase-like ATP-binding region and a CW four-cysteine zinc-finger motif. The protein encoded by this gene also has a nuclear matrix binding domain and a two-stranded coiled-coil motif near its C-terminus. This gene is widely expressed at low levels in normal tissues and has elevated expression in placenta and testis. Alternative splicing results in multiple transcript variants encoding distinct proteins. [provided by RefSeq, Jan 2010]

Additional Information

Gene ID	79710
Other Names	MORC family CW-type zinc finger protein 4, Zinc finger CW-type coiled-coil domain protein 2, Zinc finger CW-type domain protein 4, MORC4, ZCW4, ZCWCC2
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,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	MORC4
Synonyms	ZCW4, ZCWCC2
Function	Histone methylation reader which binds to non-methylated (H3K4me0), monomethylated (H3K4me1), dimethylated (H3K4me2) and trimethylated (H3K4me3) 'Lys-4' on histone H3 (PubMed:26933034). The order of binding preference is H3K4me3 > H3K4me2 > H3K4me1 > H3K4me0 (PubMed:26933034).
Cellular Location	Nucleus.
Tissue Location	Expressed at low levels in normal tissues, with highest expression levels in placenta and testis. Expression is significantly increased in subset of diffuse large B-cell lymphomas

Background

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