

MORC4 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP56806

Specification

MORC4 Polyclonal Antibody - Product Information

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q8TE76
Reactivity	Rat, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	106 KDa
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
SIMILARITY	Contains 1 CW-type zinc finger.
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]

MORC4 Polyclonal Antibody - 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

Target/Specificity

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.

Dilution

IHC-P~~N/A

=IHC-F~~N/A<br \>IF~~1:50~200<br \>ICC~~N/A<br \>E~~N/A

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

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.

MORC4 Polyclonal Antibody - 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

MORC4 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

MORC4 Polyclonal Antibody - Images