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MORC4 Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP14735c

Specification

MORC4 Antibody (Center) Blocking Peptide - Product Information

Primary Accession Q8TE76

MORC4 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 79710

Other Names
MORC family CW-type zinc finger protein 4, Zinc finger CW-type coiled-coil domain protein 2, MORC4, ZCWCC2

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

MORC4 Antibody (Center) Blocking Peptide - 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

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MORC4 Antibody (Center) Blocking Peptide - Protocols

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

- Blocking Peptides

MORC4 Antibody (Center) Blocking Peptide - Images

MORC4 Antibody (Center) Blocking Peptide - Background

In human, the four current members of the microrchidia(morc) gene family share an N-terminal ATPase-like ATP-bindingregion and a CW four-cysteine zinc-finger motif. The proteinencoded by this gene also has a nuclear matrix binding domain and atwo-stranded coiled-coil motif near its C-terminus. This gene iswidely expressed at low levels in normal tissues and has elevatedexpression in placenta and testis. Alternative splicing results inmultiple transcript variants encoding distinct proteins. [providedby RefSeq].

MORC4 Antibody (Center) Blocking Peptide - References

Liggins, A.P., et al. Br. J. Haematol. 138(4):479-486(2007)Colland, F., et al. Genome Res. 14(7):1324-1332(2004)Perry, J., et al. Trends Biochem. Sci. 28(11):576-580(2003)