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MORC1 Antibody (C-term) Blocking peptide

Synthetic peptide
Catalog # BP13528b

Specification

MORC1 Antibody (C-term) Blocking peptide - Product Information

Primary Accession Q86VD1

MORC1 Antibody (C-term) Blocking peptide - Additional Information

Gene ID 27136

Other Names
MORC family CW-type zinc finger protein 1, Cancer/testis antigen 33, CT33, MORC1 {ECO:0000312|EMBL:AAH503071}

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP13528b was selected from the C-term region of MORC1. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

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.

MORC1 Antibody (C-term) Blocking peptide - Protein Information

Name MORC1 {ECO:0000312|EMBL:AAH50307.1}

Function
Required for spermatogenesis (By similarity). Essential for de novo DNA methylation and silencing of transposable elements in the male embryonic germ cells (By similarity).

Cellular Location
Nucleus {ECO:0000250|UniProtKB:Q9WVL5}.

MORC1 Antibody (C-term) Blocking peptide - Protocols

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

- Blocking Peptides

MORC1 Antibody (C-term) Blocking peptide - Images

MORC1 Antibody (C-term) Blocking peptide - Background

This gene encodes the human homolog of mouse morc and likethe mouse protein it is testis-specific. Mouse studies support atestis-specific function since only male knockout mice areinfertile; infertility is the only apparent defect. These studiesfurther support a role for this protein early in spermatogenesis,possibly by affecting entry into apoptosis because testis fromknockout mice show greatly increased numbers of apoptotic cells.

MORC1 Antibody (C-term) Blocking peptide - References

Rose, J. Phd, et al. Mol. Med. (2010) In press :Inoue, N., et al. Cytogenet. Cell Genet. 90 (1-2), 123-125 (2000) :Inoue, N., et al. Hum. Mol. Genet. 8(7):1201-1207(1999)