

**MORC1 Antibody (C-term) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP13528b****Specification**

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**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 like the mouse protein it is testis-specific. Mouse studies support a testis-specific function since only male knockout mice are infertile; infertility is the only apparent defect. These studies further support a role for this protein early in spermatogenesis, possibly by affecting entry into apoptosis because testis from knockout 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)