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HORMAD1 Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP18581c

Specification

HORMAD1 Antibody (Center) Blocking Peptide - Product Information

Primary Accession Q86X24

HORMAD1 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 84072

Other Names
HORMA domain-containing protein 1, Cancer/testis antigen 46, CT46, Newborn ovary HORMA protein, HORMAD1, NOHMA

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.

HORMAD1 Antibody (Center) Blocking Peptide - Protein Information

Name HORMAD1 (HGNC:25245)

Function
Plays a key role in meiotic progression. Regulates 3 different functions during meiosis: ensures that sufficient numbers of processed DNA double-strand breaks (DSBs) are available for successful homology search by increasing the steady-state numbers of single- stranded DSB ends. Promotes synaptonemal-complex formation independently of its role in homology search. Plays a key role in the male mid-pachytene checkpoint and the female meiotic prophase checkpoint: required for efficient build-up of ATR activity on unsynapsed chromosome regions, a process believed to form the basis of meiotic silencing of unsynapsed chromatin (MSUC) and meiotic prophase quality control in both sexes.

Cellular Location
Nucleus {ECO:0000250|UniProtKB:Q9D5T7}. Chromosome {ECO:0000250|UniProtKB:Q9D5T7}. Note=Preferentially localizes to unsynapsed or desynapsed chromosomal regions during the prophase I stage of meiosis. TRIP13 is required for depletion from synapsed chromosomes. The expression of the phosphorylated form at Ser- 377 is restricted to unsynapsed chromosomal regions (By similarity) {ECO:0000250|UniProtKB:Q9D5T7}

Tissue Location

Testis-specific. Over-expressed in carcinomas.

HORMAD1 Antibody (Center) Blocking Peptide - Protocols

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

- Blocking Peptides

HORMAD1 Antibody (Center) Blocking Peptide - Images

HORMAD1 Antibody (Center) Blocking Peptide - Background

HORMAD1 may monitor and regulate pairing, synapsis, or recombination between homologous chromosomes during meiosis (By similarity).

HORMAD1 Antibody (Center) Blocking Peptide - References

Chen, Y.T., et al. Cancer Immun. 5, 9 (2005) :Pangas, S.A., et al. Gene Expr. Patterns 5(2):257-263(2004)Simpson, J.C., et al. EMBO Rep. 1(3):287-292(2000)