

HORMAD1 Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18581c**Specification**

HORMAD1 Antibody (Center) - Product Information

Application	WB,E
Primary Accession	Q86X24
Other Accession	D3ZWE7 , E2IUK4 , Q9D5T7 , Q4R8B9 , Q2KIY6 , NP_115508.2
Reactivity	Human
Predicted	Bovine, Monkey, Mouse, Pig, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	45200
Antigen Region	161-189

HORMAD1 Antibody (Center) - Additional Information**Gene ID** 84072**Other Names**

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

Target/Specificity

This HORMAD1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 161-189 amino acids from the Central region of human HORMAD1.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

HORMAD1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

HORMAD1 Antibody (Center) - 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}

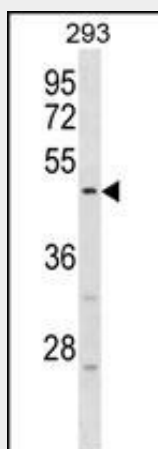
Tissue Location

Testis-specific. Over-expressed in carcinomas.

HORMAD1 Antibody (Center) - 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](#)

HORMAD1 Antibody (Center) - Images

HORMAD1 Antibody (Center) (Cat. #AP18581c) western blot analysis in 293 cell line lysates (35ug/lane). This demonstrates the HORMAD1 antibody detected the HORMAD1 protein (arrow).

HORMAD1 Antibody (Center) - Background

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

HORMAD1 Antibody (Center) - 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)