

HORMAD2 antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI13491**Specification**

HORMAD2 antibody - N-terminal region - Product Information

Application	WB
Primary Accession	Q8N7B1
Other Accession	NM_152510 , NP_689723
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Horse, Yeast, Bovine, Dog
Predicted	Human, Mouse, Rat, Rabbit, Pig, Chicken, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	35kDa KDa

HORMAD2 antibody - N-terminal region - Additional Information**Gene ID** 150280

Alias Symbol	MGC26710
Other Names	
HORMA domain-containing protein 2, HORMAD2	

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-HORMAD2 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

HORMAD2 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

HORMAD2 antibody - N-terminal region - Protein Information**Name** HORMAD2**Function**

Essential for synapsis surveillance during meiotic prophase via the recruitment of ATR activity. 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. Required for the DNA double-strand break-independent, BRCA1-dependent activation of ATR on the sex chromosomes that is essential for normal sex body formation (By similarity).

Cellular Location

Nucleus. Chromosome. Note=Preferentially localizes to unsynapsed or desynapsed chromosomal regions during the male and female prophase I stage of meiosis. TRIP13 is required for depletion from synapsed chromosomes (By similarity).

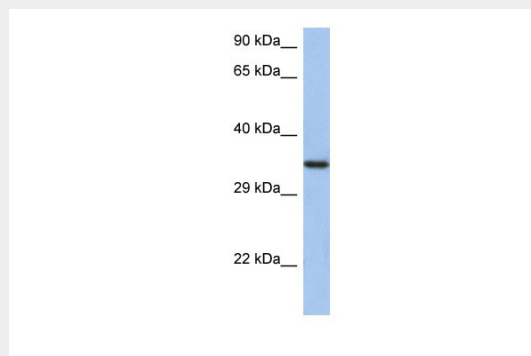
Tissue Location

Highly expressed in testis (at protein level). Expressed in lung adenocarcinoma and squamous cell carcinoma (at protein level). Expressed at lower levels in the liver, brain and kidney.

HORMAD2 antibody - N-terminal region - 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](#)

HORMAD2 antibody - N-terminal region - Images

WB Suggested Anti-HORMAD2 Antibody Titration: 0.2-1 µg/ml

ELISA Titer: 1:62500

Positive Control: HT1080 cell lysate

HORMAD2 antibody - N-terminal region - References

- Collins J.E., et al. *Genome Biol.* 5:R84.1-R84.11(2004).
Ota T., et al. *Nat. Genet.* 36:40-45(2004).
Dunham I., et al. *Nature* 402:489-495(1999).
Mural R.J., et al. Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.
Chen Y.-T., et al. *Cancer Immun.* 5:9-9(2005).