10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

HORMAD2 antibody - middle region

Rabbit Polyclonal Antibody
Catalog # AI13492

Product Information

Application	WB
Primary Accession	Q8N7B1
Other Accession	NM_152510, NP_689723
Reactivity	Human, Mouse, Rat, Pig, Dog, Guinea Pig, Horse, Bovine
Predicted	Pig, Dog, Guinea Pig
Host	Rabbit
Clonality	Polyclonal
Calculated MW	35284

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 - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

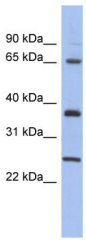
Name	HORMAD2
Function	Essential for synapsis surveillance during meiotic prophase via the recruitment of ATR activity. Plays a key role in the male mid- pachytene checkpoint and the female meiotic prophase checkpoint: required for efficient build-up of ATR activity on unsynapsed chromosome regions, a 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.

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).

Images



WB Suggested Anti-HORMAD2 Antibody Titration: 0.2-1 µg/ml
ELISA Titer: 1:62500
Positive Control: Human Placenta

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.