

HORMAD1 Polyclonal Antibody

Catalog # AP70390

Product Information

Application	WB
Primary Accession	Q86X24
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	45200

Additional Information

Gene ID	84072
Other Names	HORMAD1; NOHMA; HORMA domain-containing protein 1; Cancer/testis antigen 46; CT46; Newborn ovary HORMA protein
Dilution	WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20°C

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)

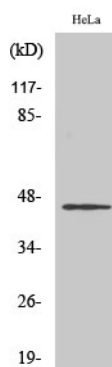
Tissue Location

Testis-specific. Over-expressed in carcinomas.

Background

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Images



Western Blot analysis of various cells using HORMAD1 Polyclonal Antibody cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Invent biotech, MN, USA).

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