

HORMAD1 Polyclonal Antibody

Catalog number: 13917-1-AP

Size: 28 µg/150 µl

Source: Rabbit

Isotype: IgG

Synonyms:

HORMAD1; Cancer/testis

antigen 46, CT46,

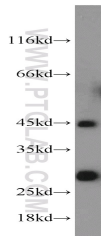
DKFZp434A1315, HORMA

domain containing 1,

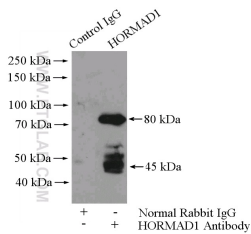
HORMAD1, Newborn ovary

HORMA protein, NOHMA,

RP11 363I22.1



mouse testis tissue were subjected to SDS PAGE followed by western blot with 13917-1-AP(HORMAD1 antibody) at dilution of 1:1000



IP Result of anti-HORMAD1 (IP:13917-1-AP, 4ug; Detection:13917-1-AP 1:500) with mouse testis tissue lysate 4000ug.

Background

HORMA domain-containing proteins regulate interactions between homologous chromosomes (homologs) during meiosis in a wide range of eukaryotes [PMID:21079677]. They also implicated in other processes related to crossover formation, including DSB formation, inhibition of promiscuous formation of the synaptonemal complex (SC), and the meiotic prophase checkpoint that monitors both DSB processing and SCs [PMID:19851446]. HORMAD1 first accumulates on the chromosomes during the leptotene to zygotene stages of meiotic prophase I. As germ cells progress into the pachytene stage, HORMAD1 disappears from the synapsed chromosomal regions. However, once the chromosomes desynapse during the diplotene stage, HORMAD1 again accumulates on the chromosome axis of the desynapsed homologs [PMID:19686734].

Applications

Tested applications:	ELISA, WB, IP
Cited applications:	IF, WB
Species specificity:	Human, Mouse, Rat; other species not tested.
Cited species:	Mouse
Calculated HORMAD1 MW:	45 kDa
Observed HORMAD1 MW:	45 kDa
Positive WB detected in	Mouse testis tissue
Positive IP detected in	Mouse testis tissue
Recommended dilution:	WB: 1:500-1:5000 IP: 1:200-1:2000

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag4914
GenBank accession number:	BC047406
Gene ID (NCBI):	84072
Full name:	HORMA domain containing 1

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Store at -20°C.