

For Research Use Only

HORMAD1 Polyclonal antibody

Catalog Number: 13917-1-AP

26 Publications



Basic Information

Catalog Number:

13917-1-AP

Size:

150ul, Concentration: 700 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG4914

GenBank Accession Number:

BC047406

GeneID (NCBI):

84072

UNIPROT ID:

Q86X24

Full Name:

HORMA domain containing 1

Calculated MW:

45 kDa

Observed MW:

45 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB, IF, CoIP

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

Positive Controls:

WB: HUVEC cells,

Background Information

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]. HORMAD1 exists as various isoform and the range of molecular weight of isoforms are about 36-45 kDa.

Notable Publications

Author	Pubmed ID	Journal	Application
Yasuhiro Fujiwara	32931493	PLoS Genet	WB, IF
Hui Tian	33175657	Mol Biol Cell	IF
Kodai Hirano	35618762	Commun Biol	IF

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

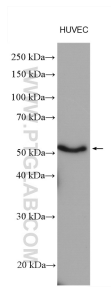
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Selected Validation Data



HUVEC cells were subjected to SDS PAGE followed by western blot with 13917-1-AP (HORMAD1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.