

For Research Use Only

HORMAD1 Polyclonal antibody

Catalog Number: 13917-1-AP **21 Publications**



Basic Information

Catalog Number: 13917-1-AP	GenBank Accession Number: BC047406	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 700 µg/ml by Nanodrop and 333 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 84072	Recommended Dilutions: WB 1:500-1:2000
Source: Rabbit	Full Name: HORMA domain containing 1	
Isotype: IgG	Calculated MW: 45 kDa	
Immunogen Catalog Number: AG4914	Observed MW: 45 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HUVEC cells,
Cited Applications: CoIP, IF, WB	
Species Specificity: human, mouse, rat	
Cited Species: human, mouse	

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

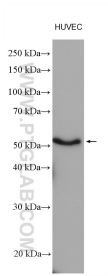
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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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.