

For Research Use Only

HORMAD1 Recombinant antibody

Catalog Number: 84003-5-RR



Basic Information

Catalog Number: 84003-5-RR	GenBank Accession Number: BC047406	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 84072	CloneNo.: 241117E3
Source: Rabbit	UNIPROT ID: Q86X24	Recommended Dilutions: WB 1:1000-1:4000
Isotype: IgG	Full Name: HORMA domain containing 1	
Immunogen Catalog Number: AG4914	Calculated MW: 45 kDa	
	Observed MW: 50-55 kDa	

Applications

Tested Applications: WB, FC (Intra), ELISA	Positive Controls: WB : human testis tissue,
Species Specificity: human	

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].

Storage

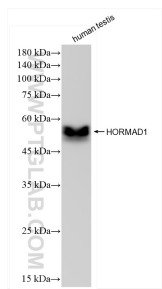
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

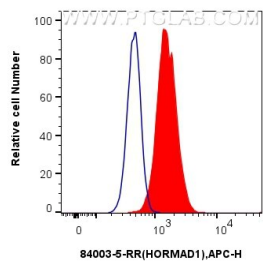
For technical support and original validation data for this product please contact:
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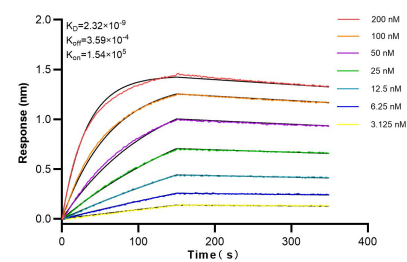
Selected Validation Data



human testis tissue were subjected to SDS PAGE followed by western blot with 84003-5-RR (HORMAD1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



1x10⁶ A549 cells were intracellularly stained with 0.25 ug HORMAD1 Recombinant antibody (84003-5-RR, Clone:241117E3) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (red), or 0.25 ug Isotype Control (blue). Cells were fixed and permeabilized with True-Nuclear Transcription Factor Buffer Set.



Biolayer interferometry (BLI) kinetic assays of 84003-5-RR against Human HORMAD1 were performed. The affinity constant is 2.32 nM.