HORMAD2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	HORMAD2, Polyclonal Antibody
Full Product Name	HORMAD2 Antibody; Biotin conjugated
Product Gene Name	anti-HORMAD2 antibody
Product Synonym Names	HORMA domain-containing protein 2; HORMAD2
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid
Purity/Purification	>95%,Protein G purified
Preparation and Storage	Shipped at 4 degree C. Upon delivery, aliquot and store at -20 degree C or -80 degree C.
Matching Pairs	Unconjugated Antibody: HORMAD2 (MBS7005838) Biotin Conjugated Antibody: HORMAD2 (MBS7000328)
Molecular Weight	35,284 Da
3D Structure	ModBase 3D Structure for Q8N7B1
Immunogen	Recombinant human HORMA domain-containing protein 2 protein
Conjugation	Biotin
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-82192 / sc-82193 / sc-82195
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-HORMAD2 antibody	ELISA (EIA)
Related Product Information for anti-HORMAD2 antibody	Essential for synapsis surveillance during meiotic prophase via the recruitment of ATR activity. 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. Required for the DNA double-strand break-independent, BRCA1-dependent activation of ATR on the sex chromosomes that is essential for normal sex body formation.
Other Notes	Small volumes of anti-HORMAD2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for HORMAD2 purchase	MBS7000328 is an antibody targeting HORMAD2. Also known as HORMAD2 Antibody; Biotin conjugated. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for HORMAD2. It may not necessarily be applicable to this product.

NCBI GI #	22749067
NCBI GeneID	150280
NCBI Accession #	NP_689723.1
UniProt Primary Accession #	Q8N7B1
UniProt Secondary Accession #	Q8NHR2; B5MEB2
UniProt Related Accession #	Q8N7B1
GenBank Nucleotide #	NM_152510.2
NCBI Official Full Name	HORMA domain-containing protein 2
NCBI Official Synonym Full Names	HORMA domain containing 2
NCBI Official Symbol	HORMAD2
NCBI Official Synonym Symbols	CT46.2
UniProt Protein Name	HORMA domain-containing protein 2
Protein Family	HORMA domain-containing protein
UniProt Gene Name	HORMAD2
UniProt Entry Name	HORM2_HUMAN
NCBI Protein Information	HORMA domain-containing protein 2
UniProt Comments for HORMAD2	HORMAD2: Involved in meiotic progression. Protein type: Cancer Testis Antigen (CTA) Chromosomal Location of Human Ortholog: 22q12.2 Cellular Component: chromosome; nucleus; synaptonemal complex Biological Process: meiosis; meiotic sister chromatid cohesion
Research Articles on HORMAD2	**1.** Hormad1 and Hormad2 might not be the susceptible genes for the non-obstructive azoospermia in our study population. However, rs718772 of Hormad2 variant might be associated with testis development in NOA patients.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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