

# Product Datasheet

## MCRS1 Antibody - Azide and BSA Free H00010445-B01P

Unit Size: 0.05 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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**H00010445-B01P**

MCRS1 Antibody - Azide and BSA Free

Product Information	
Unit Size	0.05 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	No Preservative
Isotype	IgG
Purity	Protein A purified
Buffer	PBS (pH 7.4)

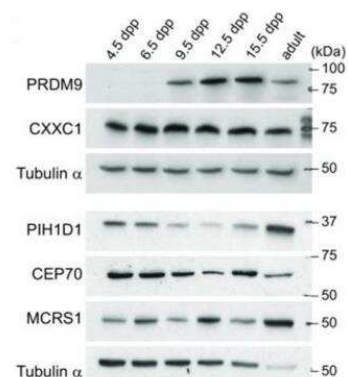
Product Description	
Host	Mouse
Gene ID	10445
Gene Symbol	MCRS1
Species	Human, Mouse
Specificity/Sensitivity	MCRS1 - microspherule protein 1,
Immunogen	MCRS1 (NP_006328.2, 1 a.a. - 462 a.a.) full-length human protein. MDKDSQGLLDSSLMASGTASRSEDEESLAGQKRASSQALGTIPKRRSSSRFIK RKKFDDELVESSLAKSSTRAKGASGVEPGRCGSEPPSSSEKKKVSKAPSTPVP PSPAPAPGLTKRVKKSQPLQVTKDLGRWKPADDLLLINAVLQTNDLTSVHLG VKFSCRFTLREVQERWYALLYDPVISKLACQAMRQLHPEAIAAIQSKALFSKAE EQLLSKVGSTSQPTLETQDLLHRHPDAFYLARTAKALQAHWQLMKQYYLLED QTVQPLPKGDQVLNFSDAEDLIDDSKLKDMRDEVLEHELMVADRRQKREIRQL EQELHKWQVLVDSITGMSSPDFDNQTLAVLRGRMVRYLMRSREITLGRATKDN QIDVDLSLEGPAAWKISRKQGVIKLKNNGDFFIANEGRRPIYIDGRPVLGSKWRL SNNSVVEIASLRFVFLINQDLIALIRAEAAKITPQ
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:500, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin
Application Notes	Antibody reactive against Recombinant Protein with GST tag on ELISA and Western Blot and also on transfected lysate in western blot. GST tag alone is used as a negative control. May also be used for immunofluorescence, immunohistochemistry (paraffin).

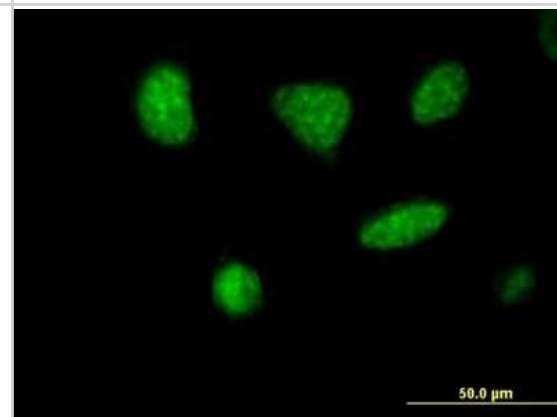


## Images

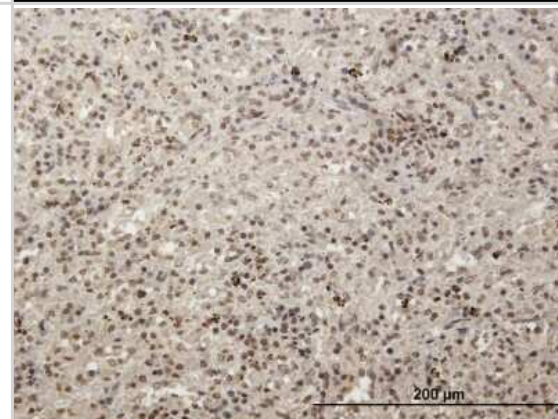
**Western Blot: MCRS1 Antibody [H00010445-B01P]** - Western blot analysis of MCRS1 expression in whole testis extracts from 4.5, 6.5, 9.5, 12.5, and 15.5 dpp and adult mice. Each lane was loaded with 50 ug of testis protein extracts. Alpha tubulin was used as internal control. Image collected and cropped by CiteAb from the following publication (<https://link.springer.com/article/10.1007/s00412-017-0631-z>) licensed under a CC-BY license.



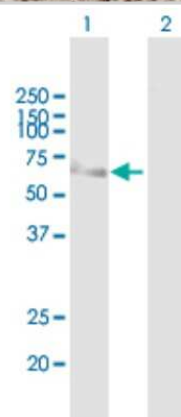
**Immunocytochemistry/Immunofluorescence: MCRS1 Antibody [H00010445-B01P]** - Analysis of purified antibody to MCRS1 on HeLa cell. (antibody concentration 10 ug/ml)



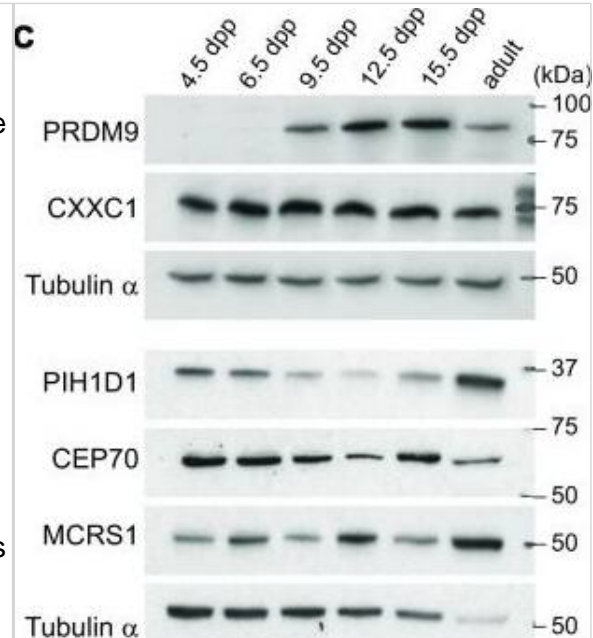
**Immunohistochemistry-Paraffin: MCRS1 Antibody [H00010445-B01P]** - Analysis of purified antibody to MCRS1 on formalin-fixed paraffin-embedded human spleen. (antibody concentration 3 ug/ml)



**Western Blot: MCRS1 Antibody [H00010445-B01P]** - Analysis of MCRS1 expression in transfected 293T cell line by MCRS1 polyclonal antibody. Lane 1: MCRS1 transfected lysate(50.82 KDa). Lane 2: Non-transfected lysate.



**Western Blot: MCRS1 Antibody [H00010445-B01P]** - Identification of interacting partners of PRDM9 by Y2H screening. a Schematic representation of the domain structure of seven PRDM9-interacting proteins identified by Y2H screening. The prey fragments identified in the screens are shown as blue bars underneath each protein. The length (number of amino acid residues) of each full-length protein is indicated on the right. b RNA expression of the PRDM9-interacting proteins in mouse testes (left) & ovaries (right) during meiosis. Data were extracted from RNA-seq data in Margolin et al. (2014) & Soh et al. (2015)). The average gene expression is shown in reads per kilobase per million of reads (RPKM) & fragments per kilobase of transcript per million mapped read (FKPM) for testes & ovaries, respectively. Zoomed-in views of the dashed line boxes are shown below. Spo11 & Spata19 expression were used as positive & negative controls, respectively. c Western blot analysis of PRDM9, CXXC1, PIH1D1, CEP70, & MCRS1 expression in whole testis extracts from 4.5, 6.5, 9.5, 12.5, & 15.5 dpp & adult mice. Each lane was loaded with 50 µg of testis protein extracts. Tubulin α was used as internal control. Image collected & cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/28527011>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



## Publications

Imai Y, Baudat F, Taillepierre M et al. The PRDM9 KRAB domain is required for meiosis and involved in protein interactions. *Chromosoma* 2017-05-19 [PMID: 28527011]

Xu CS, Zheng JY, Zhang HL et al. MSP58 Knockdown Inhibits the Proliferation of Esophageal Squamous Cell Carcinoma in Vitro and in Vivo. *Asian Pac J Cancer Prev*. 2012-11-01 [PMID: 22994740]

Zhong M, Zhang X, Li B et al. Expression of MSP58 in hepatocellular carcinoma. *Med Oncol*. 2013-03-22 [PMID: 23519485]



### **Novus Biologicals USA**

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

### **Bio-Techne Canada**

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

### **Bio-Techne Ltd**

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

### **General Contact Information**

www.novusbio.com  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### **Products Related to H00010445-B01P**

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97019-5mg	Mouse IgG Isotype Control
H00010445-P01-10ug	Recombinant Human MCERS1 GST (N-Term) Protein

### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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