

# Product Datasheet

## DMRT1 Antibody - BSA Free

### NBP1-84071

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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#### Publications: 4

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**NBP1-84071**

DMRT1 Antibody - BSA Free

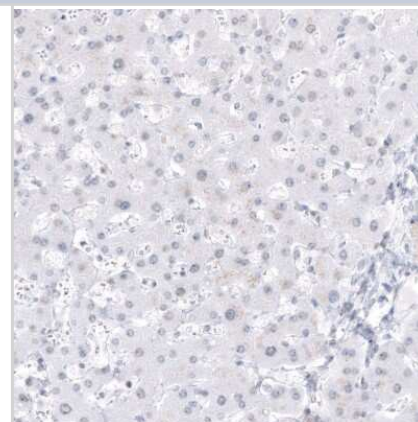
Product Information	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Affinity purified
<b>Buffer</b>	PBS (pH 7.2) and 40% Glycerol

Product Description	
<b>Description</b>	Novus Biologicals Rabbit DMRT1 Antibody - BSA Free (NBP1-84071) is a polyclonal antibody validated for use in IHC and WB. Anti-DMRT1 Antibody: Cited in 4 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	1761
<b>Gene Symbol</b>	DMRT1
<b>Species</b>	Human
<b>Reactivity Notes</b>	Reactivity reported in scientific literature (PMID: 24598113)
<b>Immunogen</b>	This antibody was developed against Recombinant Protein corresponding to amino acids: LAADSASGEVGNPLGGSPVKNSLRGLPGPYVPGQTGNQWQMKNMENRHAM SSQYRMHSYPPPSYLGQSVQFFTFEDAPSYPEARASVFSPSSQDGLVS LSSSPISNKSTKAVLECEPASEPSSFTVTPVI

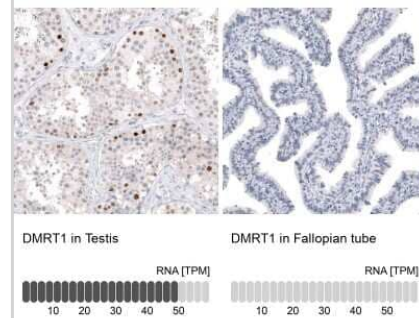
Product Application Details	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:1000 - 1:2500, Immunohistochemistry-Paraffin 1:1000-1:2500
<b>Application Notes</b>	IHC reported in scientific literature (PMID: 30067948). For IHC-Paraffin, HIER pH 6 retrieval is recommended.

**Images**

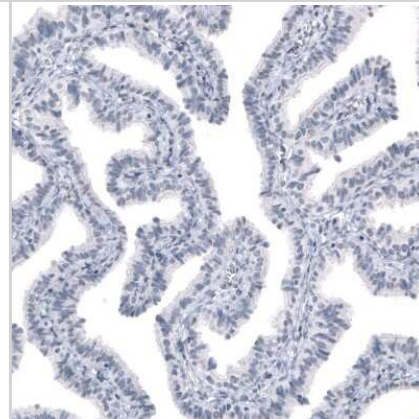
Immunohistochemistry-Paraffin: DMRT1 Antibody [NBP1-84071] - Staining of human liver shows no positivity in hepatocytes as expected.



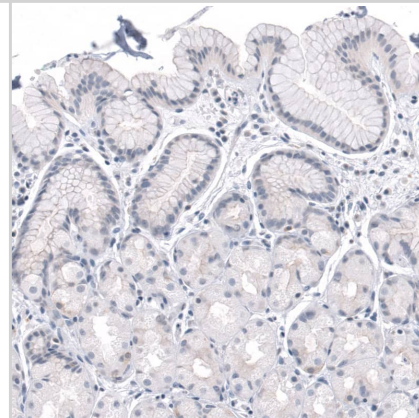
Immunohistochemistry-Paraffin: DMRT1 Antibody [NBP1-84071] - Analysis in human testis and fallopian tube tissues. Corresponding DMRT1 RNA-seq data are presented for the same tissues.



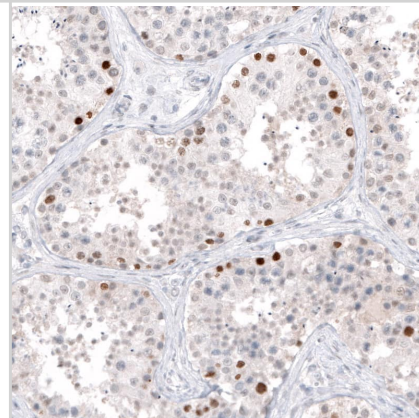
Immunohistochemistry-Paraffin: DMRT1 Antibody [NBP1-84071] - Staining of human fallopian tube shows no nuclear positivity in glandular cells as expected.



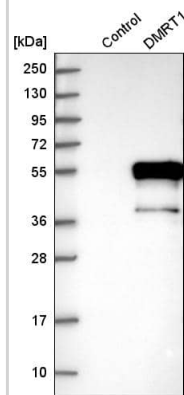
Staining of human stomach shows no positivity in glandular cells as expected.



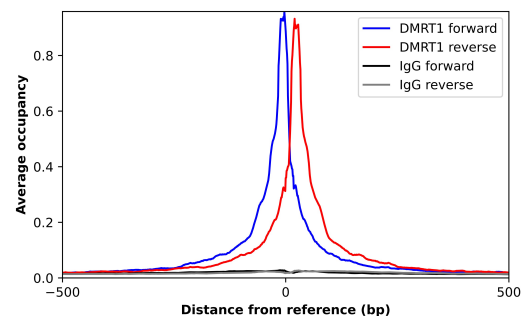
Staining of human testis shows strong nuclear positivity in a subset of cells in seminiferous ducts.



Analysis in control (vector only transfected HEK293T lysate) and DMRT1 over-expression lysate (Co-expressed with a C-terminal myc-DDK tag (~3.1 kDa) in mammalian HEK293T cells).



ChIP-Exo-Seq composite graph for Anti-DMRT1 tested in K562 cells. Strand-specific reads (blue: forward, red: reverse) and IgG controls (black: forward, grey: reverse) are plotted against the distance from a composite set of reference binding sites. The antibody exhibits robust target enrichment compared to a non-specific IgG control and precisely reveals its structural organization around the binding site. Data generated by Prof. B. F. Pugh's Lab at Cornell University.



## Publications

Roth LM, Michal M, Michal M et al. Protein expression of the transcription factors DMRT1, TCLF5, and OCT4 in selected germ cell neoplasms of the testis Hum. Pathol. 2018-07-29 [PMID: 30067948] (IF/IHC, Human)

Djureinovic D, Fagerberg L, Hallstrom B et al. The human testis-specific proteome defined by transcriptomics and antibody-based profiling. Mol Hum Reprod 2014-06-01 [PMID: 24598113]

von Kopylow K, Staeger H, Schulze W et al. Fibroblast growth factor receptor 3 is highly expressed in rarely dividing human type A spermatogonia. Histochem Cell Biol 2012-11-01 [PMID: 22777346]

von Kopylow K, Staeger H, Spiess AN et al. Differential marker protein expression specifies rarefaction zone-containing human Adark spermatogonia. Reproduction 2012-01-01 [PMID: 22046055]



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### **Products Related to NBP1-84071**

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NBP1-84071PEP	DMRT1 Recombinant Protein Antigen
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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### **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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