

**Anti-DMRT1 Antibody (aa1-210, clone 2H1)**  
**Mouse Anti Human Monoclonal Antibody**  
**Catalog # ALS18225****Specification**

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**Anti-DMRT1 Antibody (aa1-210, clone 2H1) - Product Information**

Application	WB, IHC-P
Primary Accession	<a href="#">Q9Y5R6</a>
Predicted	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	39473

**Anti-DMRT1 Antibody (aa1-210, clone 2H1) - Additional Information****Gene ID** 1761

Alias Symbol	DMRT1
<b>Other Names</b>	
DMRT1, DMT1	

**Target/Specificity**  
Human DMRT1**Reconstitution & Storage**  
Immunoaffinity purified**Precautions**

Anti-DMRT1 Antibody (aa1-210, clone 2H1) is for research use only and not for use in diagnostic or therapeutic procedures.

**Anti-DMRT1 Antibody (aa1-210, clone 2H1) - Protein Information****Name** DMRT1**Synonyms** DMT1**Function**

Transcription factor that plays a key role in male sex determination and differentiation by controlling testis development and male germ cell proliferation. Plays a central role in spermatogonia by inhibiting meiosis in undifferentiated spermatogonia and promoting mitosis, leading to spermatogonial development and allowing abundant and continuous production of sperm. Acts both as a transcription repressor and activator: prevents meiosis by restricting retinoic acid (RA)-dependent transcription and repressing STRA8 expression and promotes spermatogonial development by activating spermatogonial differentiation genes, such as SOHLH1. Also plays a key role in postnatal sex maintenance by maintaining testis determination and preventing feminization: represses transcription of female promoting genes such as FOXL2 and activates

male-specific genes. May act as a tumor suppressor. May also play a minor role in oogenesis (By similarity).

**Cellular Location**

Nucleus {ECO:0000255|PROSITE-ProRule:PRU00070}.

**Tissue Location**

Testis-specific. Expressed in prostate cancer (at protein level).

**Anti-DMRT1 Antibody (aa1-210, clone 2H1) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Anti-DMRT1 Antibody (aa1-210, clone 2H1) - Images**