

DMRT1 Rabbit mAb
Catalog # AP77908**Specification**

DMRT1 Rabbit mAb - Product Information

Application	WB
Primary Accession	Q9Y5R6
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	39473

DMRT1 Rabbit mAb - Additional Information**Gene ID** 1761**Other Names**
DMRT1**Dilution**
WB~~1/500-1/1000**Format**
Liquid**DMRT1 Rabbit mAb - 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).

DMRT1 Rabbit mAb - 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](#)

DMRT1 Rabbit mAb - Images

