



DMRT1 mouse mAb

Catalog No	YP-mAb-17892
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	DMRT1 DMT1
Immunogen	Synthesized peptide derived from human DMRT1. AA range:330-373
Specificity	This antibody detects endogenous levels of DMRT1 at Human, Mouse
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	DMRT1;DMT1;DMRT1 DMT1;Doublesex- and mab-3-related transcription factor 1 (DM domain expressed in testis protein 1)
Observed Band	39 kDa
Calculated Molecular Weight	39 kDa
Cell Pathway	Nucleus .
Tissue Specificity	Testis-specific. Expressed in prostate cancer (at protein level).
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



Background

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images