

Datasheet for ABIN7150638

anti-DMRT1 antibody (AA 195-363) (Biotin)[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	DMRT1
Binding Specificity:	AA 195-363
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DMRT1 antibody is conjugated to Biotin
Application:	ELISA

Product Details

Immunogen:	Recombinant Human Doublesex- and mab-3-related transcription factor 1 protein (195-363AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	DMRT1
Alternative Name:	DMRT1 (DMRT1 Products)
Background:	Background: Transcription factor that plays a key role in male sex determination and differentiation by controlling testis development and male germ cell proliferation. Plays a

Target Details

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).

Aliases: CT154 antibody, DM domain expressed in testis 1 antibody, DM domain expressed in testis protein 1 antibody, DM domain gene expressed in testis antibody, DMRT 1 antibody, dmrt1 antibody, DMRT1_HUMAN antibody, DMT 1 antibody, DMT1 antibody, Doublesex and mab 3 related transcription factor 1 antibody, Doublesex- and mab-3-related transcription factor 1 antibody

UniProt: [Q9Y5R6](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.