

Datasheet for ABIN7150637  
**anti-DMRT1 antibody (AA 195-363)**[Go to Product page](#)

## 4 Images

## Overview

Quantity:	100 µg
Target:	DMRT1
Binding Specificity:	AA 195-363
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DMRT1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

## Product Details

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

## Target Details

Target:	DMRT1
Alternative Name:	DMRT1 ( <a href="#">DMRT1 Products</a> )
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: Recommended dilution: WB:1:500-1:5000, IHC:1:20-1:200,

Restrictions: For Research Use only

## Handling

Format: Liquid

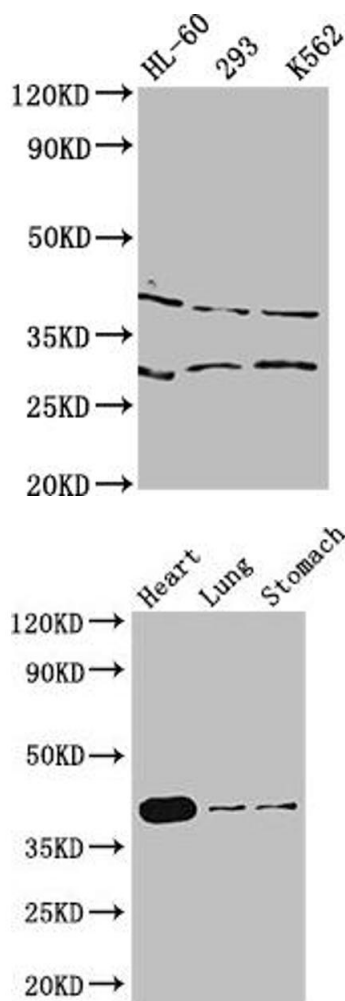
Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

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.

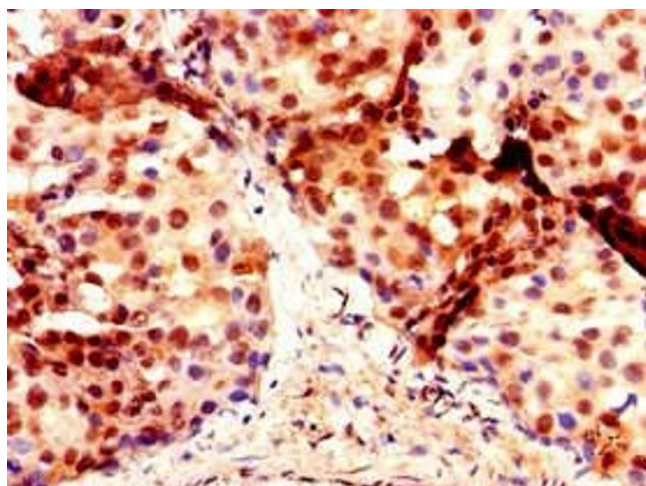


#### Western Blotting

**Image 1.** Western Blot Positive WB detected in: HL60 whole cell lysate, 293 whole cell lysate, K562 whole cell lysate All lanes: DMRT1 antibody at 1:2000 Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 40, 29, 19 kDa Observed band size: 40 kDa

#### Western Blotting

**Image 2.** Western Blot Positive WB detected in: Mouse heart tissue, Mouse lung tissue, Mouse stomach tissue All lanes: DMRT1 antibody at 3 µg/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 40, 29, 19 kDa Observed band size: 40 kDa



#### Immunohistochemistry

**Image 3.** Immunohistochemistry of paraffin-embedded human breast cancer using ABIN7150637 at dilution of 1:100

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7150637.