

Datasheet for ABIN3043450  
**anti-DMRT1 antibody (N-Term)**[Go to Product page](#)

## 2 Images

## Overview

Quantity:	100 µg
Target:	DMRT1
Binding Specificity:	AA 98-128, N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DMRT1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Purpose:	Rabbit IgG polyclonal antibody for Doublesex- and mab-3-related transcription factor 1(DMRT1) detection. Tested with WB, IHC-P in Human,Mouse,Rat.
Immunogen:	A synthetic peptide corresponding to a sequence at the N-terminus of human DMRT1 (98-128aa RDCQCKKCNLIAERQVRMAAQVALRRQQAQE), different from the related mouse sequence by one amino acid.
Sequence:	RDCQCKKCNL IAERQVRMAA QVALRRQQAQ E
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Doublesex- and mab-3-related transcription factor 1(DMRT1) detection. Tested with WB, IHC-P in Human,Mouse,Rat.  Gene Name: doublesex and mab-3 related transcription factor 1

## Product Details

Protein Name: Doublesex- and mab-3-related transcription factor 1

Purification: Immunogen affinity purified.

## Target Details

Target: DMRT1

Alternative Name: DMRT1 ([DMRT1 Products](#))

Background: Doublesex and mab-3 related transcription factor 1, also known as DMRT1, is a protein which in humans is encoded by the DMRT1 gene. This gene is found in a cluster with two other members of the gene family, having in common a zinc finger-like DNA-binding motif (DM domain). The DM domain is an ancient, conserved component of the vertebrate sex-determining pathway that is also a key regulator of male development in flies and nematodes. This gene exhibits a gonad-specific and sexually dimorphic expression pattern. Defective testicular development and XY feminization occur when this gene is hemizygous.

Synonyms: 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

Gene ID: 1761

UniProt: [Q9Y5R6](#)

## Application Details

Application Notes: WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Mouse, Rat  
IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections.  
Notes: Tested Species: Species with positive results. Other applications have not been tested.  
Optimal dilutions should be determined by end users.

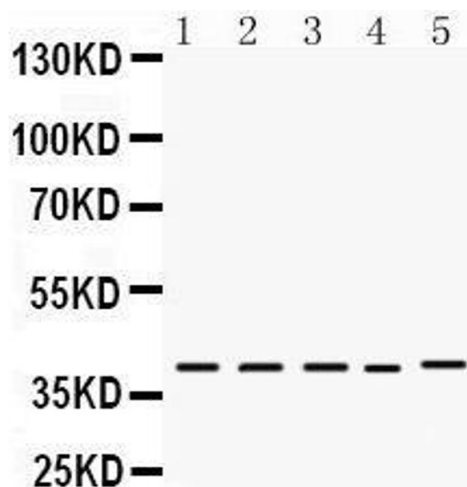
Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).

Restrictions: For Research Use only

## Handling

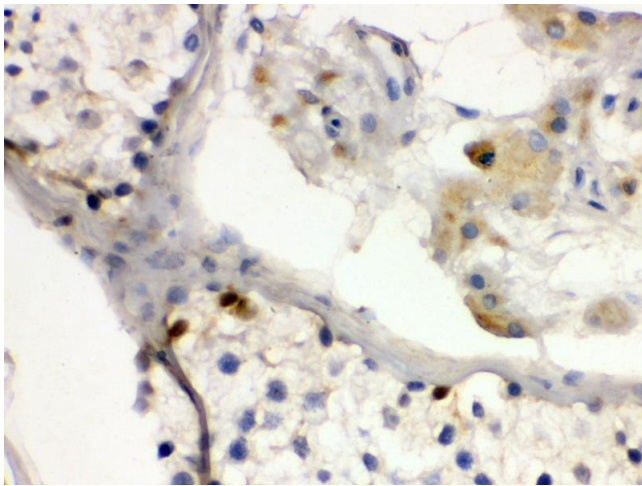
Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

## Images



### Western Blotting

Image 1.



#### Immunohistochemistry

**Image 2.** Anti- DMRT1 antibody,IHC(P) IHC(P): Human Testis Tissue