

Datasheet for ABIN7504176

anti-DMRT2 antibody**3** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	DMRT2
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This DMRT2 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS)

Product Details

Immunogen:	Recombinant full-length human DMRT2 protein
Isotype:	IgG2b
Specificity:	<p>The protein encoded by this gene belongs to the DMRT gene family, sharing a DM DNA-binding domain with Drosophila 'doublesex' (dsx) and C. elegans mab3, genes involved in sex determination in these organisms. Also, this gene is located in a region of the human genome (chromosome 9p24.3) associated with gonadal dysgenesis and XY sex reversal. Hence this gene is one of the candidates for sex-determining gene(s) on chr 9. Transcriptional activator that directly regulates early activation of the myogenic determination gene MYF5 by binding in a sequence-specific manner to the early epaxial enhancer element of it. Involved in somitogenesis during embryogenesis and somite development and differentiation into sclerotome and dermomyotome. Required for the initiation and/or maintenance of proper organization of the sclerotome, dermomyotome and myotome (By similarity).</p>
Cross-Reactivity (Details):	Human.

Product Details

Purification: 200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G.

Target Details

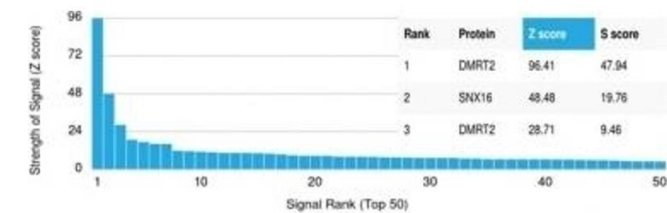
Target:	DMRT2
Alternative Name:	DMRT2 (DMRT2 Products)
Background:	Doublesex and mab-3 related transcription factor 2, doublesex-like 2 protein (DSXL-2), terra like protein antibody,DMRT2 (Transcription Factor) Cellular localisation: Nucleus
Molecular Weight:	62kDa
Gene ID:	10655, 59506
UniProt:	Q9Y5R5

Application Details

Application Notes:	Positive Control: HeLa or MCF-7 cells. Known Application: Flow Cytometry (1-2 µg/million cells), ,Western Blot (1-2 µg/mL), ,Optimal dilution for a specific application should be determined.
Restrictions:	For Research Use only

Handling

Concentration:	200 µg/mL
Buffer:	Prepared in 10 mM PBS with 0.05 % BSA and 0.05 % 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.
Storage:	4 °C,-80 °C
Storage Comment:	Antibody with azide - store at 2 to 8 °C. Antibody is stable for 24 months. Non-hazardous. Also available WITHOUT BSA & azide at 1.0mg/ml.
Expiry Date:	24 months

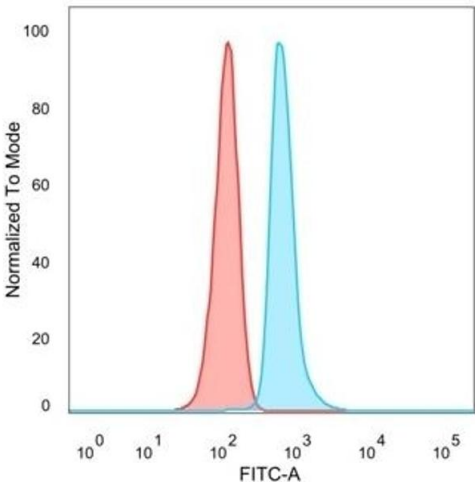


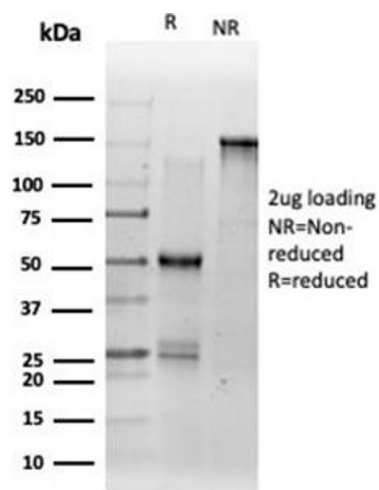
Protein Array

Image 1. Analysis of Protein Array containing more than 19,000 full-length human proteins using DMRT2 Mouse Monoclonal Antibody (PCRP- DMRT2-1D3). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProt™ are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.

Flow Cytometry

Image 2. Flow Cytometric Analysis of PFA-fixed HeLa cells. DMRT2 Mouse Monoclonal Antibody (PCRP-DMRT2-1B11) followed by goat anti-mouse IgG-CF488 (blue), isotype control (red).





Western Blotting

Image 3. SDS-PAGE Analysis. Purified DMRT2 Mouse Monoclonal Antibody (PCRP-DMRT2-1B11). Confirmation of Integrity and Purity of Antibody.