

For Research Use Only

# DMRT1 Polyclonal antibody

Catalog Number: 28149-1-AP



## Basic Information

<b>Catalog Number:</b> 28149-1-AP	<b>GenBank Accession Number:</b> BC040847	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 800 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 1761	<b>Recommended Dilutions:</b> WB 1:500-1:3000 IF 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> doublesex and mab-3 related transcription factor 1	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 39 kDa	
<b>Immunogen Catalog Number:</b> AG28006	<b>Observed MW:</b> 39 kDa	

## Applications

<b>Tested Applications:</b> IF, WB, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> Human, mouse	<b>WB:</b> A549 cells, DU 145 cells, LNCaP cells, PC-3 cells, SKOV-3 cells <b>IF:</b> mouse testis tissue,

## Background Information

DMRT1, also named DMT1, belongs to the DMRT family. DMRT1 is one of the most conserved transcription factors in a variety of species and is involved in sex determination and germ cell differentiation. DMRT1 prevents the sexual switch from male to female, represses pluripotency, and balances mitosis versus meiosis. DMRT1 also maintains spermatogenesis and replenishes mGSCs by collaborating with Plzf and Sal-like protein 4 (PMID: 33420764). DMRT1 has 3 isoforms with the molecular mass of 18, 29, and 39 kDa.

## Storage

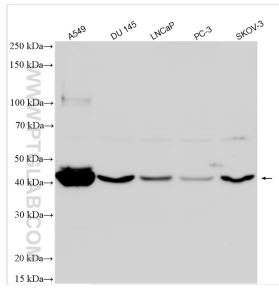
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

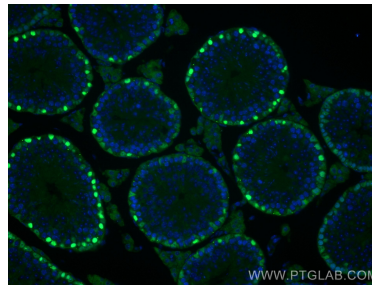
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 28149-1-AP (DMRT1 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed mouse testis tissue using DMRT1 antibody (28149-1-AP) at dilution of 1:200 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).