

DMRT1 Polyclonal antibody

Catalog Number: 28149-1-AP

Basic Information

Catalog Number:

28149-1-AP

Size:

800 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG28006

GenBank Accession Number:

BC040847

GeneID (NCBI):

1761

UNIPROT ID:

Q9Y5R6

Full Name:

doublesex and mab-3 related
transcription factor 1

Calculated MW:

39 kDa

Observed MW:

39 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:3000

IF-P 1:50-1:500

Applications

Tested Applications:

IF-P, WB, ELISA

Species Specificity:

Human, mouse

Positive Controls:

WB : A549 cells, DU 145 cells, LNCaP cells, PC-3 cells,
SKOV-3 cells

IF-P : 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:

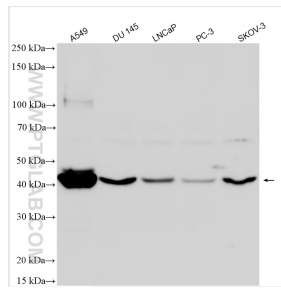
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

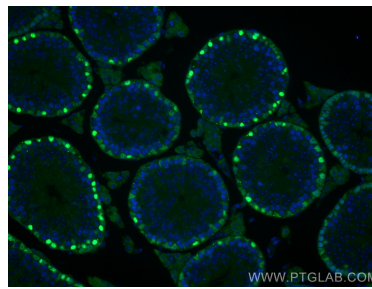
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

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).