

Dmrta1 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab) **Catalog # AP54441**

Specification

Dmrta1 Polyclonal Antibody - Product Information

WB, IHC-P, IHC-F, IF, ICC, E Application

Primary Accession O5VZB9 Reactivity Rat, Dog Host **Rabbit** Clonality **Polyclonal** Calculated MW 39 KDa

Physical State Immunogen KLH conjugated synthetic peptide derived

Liquid

from human DMRT1

51-100/373 **Epitope Specificity**

laG Isotype **Purity**

0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

SUBCELLULAR LOCATION Nucleus.

SIMILARITY Belongs to the DMRT family. Contains 1 DM

DNA-binding domain.

This product as supplied is intended for Important Note

research use only, not for use in human, therapeutic or diagnostic applications.

Background Descriptions

affinity purified by Protein A

Buffer

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. [provided by RefSeq, Jul 2008]

Dmrta1 Polyclonal Antibody - Additional Information

Gene ID 63951

Other Names

Doublesex- and mab-3-related transcription factor A1, DMRTA1, DMO

Target/Specificity

Testis specific.

Dilution

WB~~1:1000<br \><span class</pre> ="dilution_IHC-P">IHC-P~~N/A<br\><span class



="dilution_IHC-F">IHC-F~~N/A<br \>IF~~1:50~200<br \>ICC~~N/A<br \>E~~N/A

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Dmrta1 Polyclonal Antibody - Protein Information

Name DMRTA1

Synonyms DMO

Cellular Location

Nucleus {ECO:0000255|PROSITE-ProRule:PRU00070}.

Tissue Location

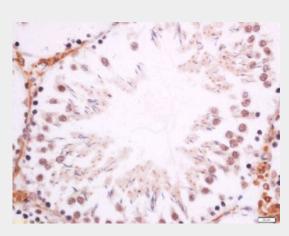
Expressed in liver, kidney, pancreas, prostate and weakly detected in testis and ovary.

Dmrta1 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

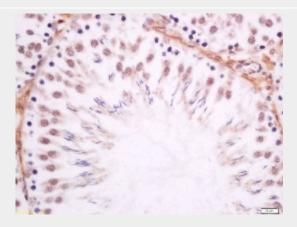
Dmrta1 Polyclonal Antibody - Images



Tissue/cell: rat testis tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;



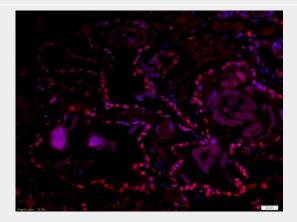
Incubation: Anti-Dmrta1 Polyclonal Antibody, Unconjugated(bs-11276R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: rat testis tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37° C for 20 min;

Incubation: Anti-Dmrta1 Polyclonal Antibody, Unconjugated(bs-11276R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: human prostate tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Blocking buffer (normal goat serum, C-0005) at 37% for 20min;

Incubation: Anti-Dmrta1 Polyclonal Antibody, Unconjugated(bs-11276R) 1:500, overnight at 4°C; The secondary antibody was Goat Anti-Rabbit IgG, Cy3 conjugated(bs-0295G-Cy3)used at 1:200 dilution for 40 minutes at 37°C. DAPI(5ug/ml,blue,C-0033) was used to stain the cell nuclei