



DPY19L2 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab) **Catalog # AP58954**

Specification

DPY19L2 Polyclonal Antibody - Product Information

Application **Primary Accession** Reactivity Host Clonality Calculated MW **Physical State** Immunogen

Epitope Specificity Isotype **Purity** affinity purified by Protein A

Buffer

SUBCELLULAR LOCATION

SIMILARITY SUBUNIT

DISEASE

Important Note

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

06NUT2

Rat, Pig, Dog, Bovine

Rabbit Polyclonal 87 KDa Liquid

KLH conjugated synthetic peptide derived

from human DPY19L2

101-200/758

laG

0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Involvement in disease Defects in DPY19L2 are a cause of globozoospermia (GLOBZOOS) . An infertility disorder

caused by spermatogenesis defects. The most prominent feature is the

malformation of the acrosome. In the most

severe cases the acrosome is totally absent. Globozoospermia is also

characterized by abnormal nuclear shape as well as abnormal arrangement of the mitochondria of the spermatozoon.

Note=Deletions in DPY19L2 are probably the major cause of GLOBZOOS. Belongs to the dpv-19 family.

Membrane; Multi-pass membrane protein

(Potential).

Defects in DPY19L2 are the cause of spermatogenic failure type 9 (SPGF9) [MIM:613958]. An infertility disorder caused by spermatogenesis defects. The

most prominent feature is the

malformation of the acrosome, which can be totally absent in most severe cases. Additional features are an abnormal nuclear shape and abnormal arrangement of the mitochondria of the spermatozoon.

Note=Deletions in DPY19L2 are probably the major cause of SPGF9.

This product as supplied is intended for

Tel: 858.875.1900 Fax: 858.875.1999



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

Background Descriptions

The protein encoded by this gene belongs to the dpy-19 family. It is highly expressed in testis, and is required for sperm head elongation and acrosome formation during spermatogenesis. Mutations in this gene are associated with an infertility disorder, spermatogenic failure type 9 (SPGF9). [provided by RefSeq, Dec 2011]

DPY19L2 Polyclonal Antibody - Additional Information

Gene ID 283417

Other Names

Probable C-mannosyltransferase DPY19L2, 2.4.1.-, Dpy-19-like protein 2, Protein dpy-19 homolog 2, DPY19L2

Target/Specificity

Widely expressed with high expression in testis.

Dilution

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<span class ="dilution WB">WB~~1:1000</span><br \><span class</pre>
="dilution IHC-P">IHC-P~~N/A</span><br \><span class
="dilution IHC-F">IHC-F~~N/A</span><br \><span class
="dilution IF">IF\sim1:50\sim200</span><br/>or \><span class ="dilution E">E\simN/A</span>
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Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

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.

DPY19L2 Polyclonal Antibody - Protein Information

Name DPY19L2 (HGNC:19414)

Function

Probable C-mannosyltransferase that mediates C-mannosylation of tryptophan residues on target proteins.

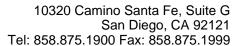
Cellular Location

Nucleus inner membrane {ECO:0000250|UniProtKB:P0CW70}; Multi-pass membrane protein. Note=Colocalizes with DPY19L2 at the inner nuclear membrane. {ECO:0000250|UniProtKB:P0CW70}

Tissue Location

Widely expressed with high expression in testis. Not detectable in ejaculated sperm (at protein level)

DPY19L2 Polyclonal Antibody - Protocols





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

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

DPY19L2 Polyclonal Antibody - Images