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DPY19L2 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP58954

Specification

DPY19L2 Polyclonal Antibody - Product Information

Application	**WB, IHC-P, IHC-F, IF, E**
Primary Accession	Q6NUT2
Reactivity	**Rat, Pig, Dog, Bovine**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**87 KDa**
Physical State	**Liquid**
Immunogen	**KLH conjugated synthetic peptide derived from human DPY19L2**
Epitope Specificity	**101-200/758**
Isotype	**IgG**
Purity	
affinity purified by Protein A	
Buffer	**0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.**
SUBCELLULAR LOCATION	**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.**
SIMILARITY	**Belongs to the dpy-19 family.**
SUBUNIT	**Membrane; Multi-pass membrane protein (Potential).**
DISEASE	**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.**
Important Note	**This product as supplied is intended for**

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
WB~~1:1000<br \>IHC-P~~N/A<br \>IHC-F~~N/A<br \>IF~~1:50~200<br \>E~~N/A

Storage
Store at -20 ℃ 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 ℃.

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
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

DPY19L2 Polyclonal Antibody - Images