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DPY19L2 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP58954

Product Information

Application	WB, IHC-P, IHC-F, IF, E
Primary Accession	Q6NUT2
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	87374
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]

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=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Format	0.01M TBS(pH7.4) with 1% BSA, 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.

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)