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[Marker Primary Antibody]

Rabbit Anti-DZIP1/FITC Conjugated antibody

Catalog Number: SL13594R-FITC

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Anti-DZIP1/FITC
Immunogen:	KLH conjugated synthetic peptide derived from human DZIP1
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Applications:	IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Rat(predicted:Human,Mouse,Dog,Pig,Cow,Horse,Rabbit)
Background:	background: DZIP1 (DAZ interacting protein 1) is also known as DZIP or DZIP2 and is a 867 amino acid protein which is expressed as three isoforms, designated DZIPb, DZIPt1 and DZIPt2. DZIP1 is localized to testis, oocytes, ovary and fetal brain, as well as in embryonic stem cells and germ cells. In testis, DZIP1 is localized to the nucleus and also shows some cytoplasmic distribution in spermatogonia. DZIP1 belongs to the C2H2-type zinc-finger protein family, and, characteristc of the C2H2-type zinc-finger protein family, DZIP1 contains one C2H2-type zinc-finger region through which it is thought to interact with DAZ, an interaction that promotes spermiogenesis. DZIP1 expression is not found in those afflicted with Sertoli cell-only syndrome (characterized by the absence of germ cells in the testis), suggesting that the lack of DZIP1 may be involved in the pathogenesis of Sertoli cell-only syndrome-induced male sterility. **Function:** DZIP1 may participate in spermatogenesis via its interaction with DAZ. Isoform 1 and isoform 2 interact with DAZ proteins. DZIP1 may also

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	participate in a RNA-binding complex that functions in both ES cells and germ cells. There are three named isoforms. **Subcellular Location:** Nucleus. Cytoplasm. **Note:** In testis, it is predominantly nuclear, with some cytoplasmic localization in spermatogonia. Co-localizes with DAZ and DAZL in primordial germ cells. **Tissue Specificity:** Predominantly expressed in testis. Also expressed in fetal brain, adult oocytes and ovary. Expressed in undifferentiated ES cells. In testis, it is probably specifically expressed in germ cells. Expressed in mature germ cells and secondary spermatocytes, while it is weakly or not expressed in primary spermatocytes. **Similarity:** Belongs to the DZIP C2H2-type zinc-finger protein family. Contains 1 C2H2-type zinc finger. **Database links:** **Entrez Gene:** 22873 Human Omim: 608671 Human **SwissProt:** Q86YF9 Human Important **Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.