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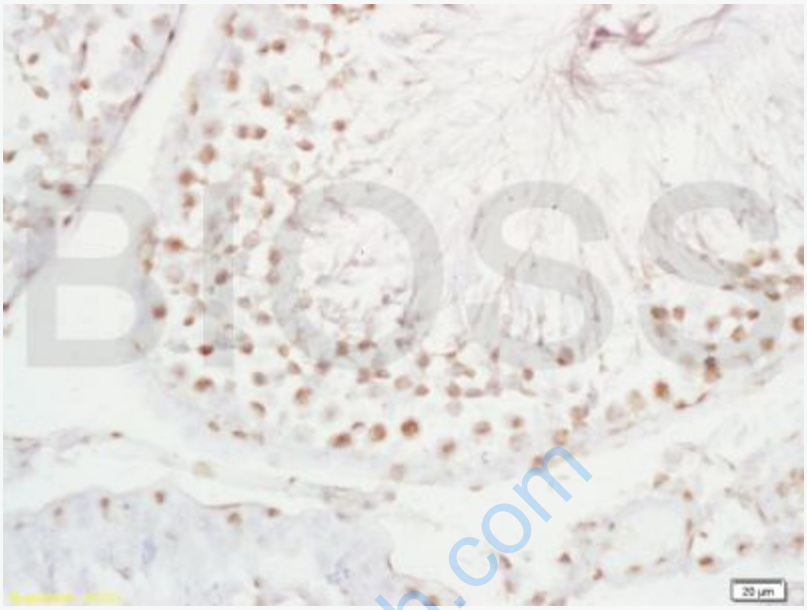
Rabbit Anti-PLCZ1 antibody

SL5378R

Product Name:	PLCZ1
Chinese Name:	磷酸肌醇磷脂酶PLCZ1抗体
Alias:	1 phosphatidylinositol 4,5 bisphosphate phosphodiesterase zeta 1; Phosphoinositide phospholipase C zeta 1; Phospholipase C zeta 1; PI phospholipase C zeta 1; PLC zeta 1; PLCzeta; Testis development protein NYD SP27; Testis development related NYD SP27; MGC149685 antibody NYD SP27 antibody.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	70kDa
Cellular localization:	The nucleuscytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human PLCZ1:351-450/608
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
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 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	The production of the second messenger molecules diacylglycerol (DAG) and inositol 1,4,5-trisphosphate (IP3) is mediated by activated phosphatidylinositol-specific phospholipase C enzymes. In vitro, PLCZ1 hydrolyzes PtdIns(4,5)P2 in a Ca2+-dependent manner. It triggers intracellular Ca2+ oscillations in oocytes solely during M

	phase and is involved in inducing oocyte activation and initiating embryonic development up to the blastocyst stage. PLCZ1 is therefore a strong candidate for the egg-activating soluble sperm factor that is transferred from the sperm into the egg cytoplasm following gamete membrane fusion. It may exert an inhibitory effect on phospholipase-C-coupled processes that depend on calcium ions and protein kinase C, including CFTR trafficking and function. **SWISS:** Q86YW0 **Gene ID:** 89869 **Database links:** Entrez Gene: 89869Human Entrez Gene: 114875Mouse Entrez Gene: 497197Rat Omim: 608075Human SwissProt: Q86YW0Human SwissProt: Q8K4D7Mouse SwissProt: Q5FX52Rat Unigene: 97542Human Unigene: 50808Mouse Unigene: 123184Rat **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:	 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℃ for 20 min; Incubation: Anti-PLCZ1 Polyclonal Antibody, Unconjugated(SL5378R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining