SunLong Biotech Co.,LTD
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[Marker Primary Antibody]

Rabbit Anti-ZP1/Biotin Conjugated antibody

Catalog Number: SL12789R-Bio

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Anti-ZP1/Biotin
Immunogen:	KLH conjugated synthetic peptide derived from human ZP1
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:	WB=1:500-2000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human(predicted:Mouse,Rat,Rabbit)
Background:	background: The zona pellucida is an extracellular matrix that surrounds the oocyte and early embryo. It is composed primarily of three or four glycoproteins with various functions during fertilization and preimplantation development. The protein encoded by this gene ensures the structural integrity of the zona pellucida. Mutations in this gene are a cause of oocyte maturation defect and infertility. [provided by RefSeq, May 2014] **Function:** The mammalian zona pellucida, which mediates species-specific sperm binding, induction of the acrosome reaction and prevents post-fertilization polyspermy, is composed of three to four glycoproteins, ZP1, ZP2, ZP3, and ZP4. ZP1 ensures the structural integrity of the zona pellucida. **Subunit:** Polymers of ZP2 and ZP3 organized into long filaments cross-linked by ZP1 homodimers. **Subcellular Location:** Secreted > extracellular space > extracellular matrix and Cell membrane. **Tissue Specificity:** Oocytes.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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	Post-translational modifications: Proteolytically cleaved before the transmembrane segment to yield the secreted ectodomain incorporated in the zona pellucida. O-glycosylated. **Similarity:** Belongs to the ZP domain family. ZPB subfamily. Contains 1 P-type (trefoil) domain. Contains 1 ZP domain. **Database links:** **Entrez Gene:** 22917 Human Omim: 195000 Human **SwissProt:** P60852 Human **Unigene:** 172130 Human Important **Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.