

产品名称: ZP1 Rabbit Polyclonal Antibody  
产品货号: APRab20306



## 产品概述 (Summary)

|                        |                                |
|------------------------|--------------------------------|
| 产品名称 (Production Name) | ZP1 Rabbit Polyclonal Antibody |
| 描述 (Description)       | Rabbit polyclonal Antibody     |
| 宿主 (Host)              | Rabbit                         |
| 应用 (Application)       | WB,IHC,ICC/IF,ELISA            |
| 种属反应性 (Reactivity)     | Human,Rat,Mouse                |

## 产品性能 (Performance)

|                     |                                                                                                   |
|---------------------|---------------------------------------------------------------------------------------------------|
| 偶联物 (Conjugation)   | Unconjugated                                                                                      |
| 修饰 (Modification)   | Unmodified                                                                                        |
| 同种型 (Isotype)       | IgG                                                                                               |
| 克隆 (Clonality)      | Polyclonal                                                                                        |
| 形式 (Form)           | Liquid                                                                                            |
| 存放说明 (Storage)      | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.          |
| 储存溶液 (Buffer)       | Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N. |
| 纯化方式 (Purification) | Affinity purification                                                                             |

## 免疫原信息 (Immunogen)

|                        |                                                                                                        |
|------------------------|--------------------------------------------------------------------------------------------------------|
| 基因名 (Gene Name)        | ZP1                                                                                                    |
| 别名 (Alternative Names) | ZP1; Zona pellucida sperm-binding protein 1; Zona pellucida glycoprotein 1; Zp-1                       |
| 基因 ID (Gene ID)        | 22917.0                                                                                                |
| 蛋白 ID (SwissProt ID)   | P60852.The antiserum was produced against synthesized peptide derived from human ZP1. AA range:221-270 |

## 产品应用 (Application)

|                          |                                                                        |
|--------------------------|------------------------------------------------------------------------|
| 稀释比 (Dilution Ratio)     | WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:5000-1:20000 |
| 蛋白分子量 (Molecular Weight) | 70kDa                                                                  |

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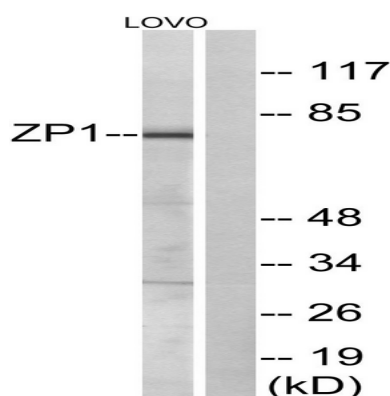
## 研究背景 (Background)

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],domain:The ZP domain is involved in the polymerization of the ZP proteins to form the zona pellucida.,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.,PTM:O-glycosylated.,PTM:Proteolytically cleaved before the transmembrane segment to yield the secreted ectodomain incorporated in the zona pellucida.,similarity:Belongs to the ZP domain family. ZPB subfamily.,similarity:Contains 1 P-type (trefoil) domain.,similarity:Contains 1 ZP domain.,subunit:Polymers of ZP2 and ZP3 organized into long filaments cross-linked by ZP1 homodimers.,tissue specificity:Oocytes.,

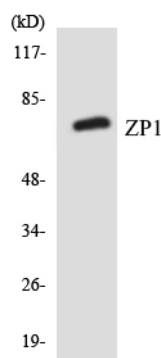
## 研究领域 (Research Area)

Developmental Biology; Reproduction; Fertilisation; Germ cell markers

## 图片 (Image Data)



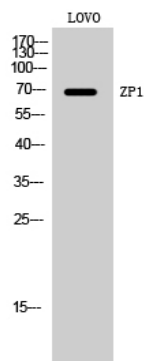
Western blot analysis of lysates from LOVO cells, using ZP1 Antibody. The lane on the right is blocked with the synthesized peptide.



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Western blot analysis of the lysates from HeLa cells using ZP1 antibody.



Western Blot analysis of LOVO cells using ZP1 Polyclonal Antibody. Secondary antibody was diluted at 1:20000

### 注意事项 (Note)

For research use only .