

产品名称: ZP4 Rabbit Polyclonal Antibody

产品货号: APRab20309

产品概述 (Summary)

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|-------------------|---|
| 描述(Description) | Rabbit polyclonal Antibody |
| 宿主(Host) | Rabbit |
| 应用(Application) | WB,ELISA |
| 种属反应(Reactivity) | Human,Rat,Mouse |
| 偶联物(Conjugation) | Unconjugated |
| 修饰(Modification) | Unmodified |
| 同种型(Isotype) | IgG |
| 克隆(Clonality) | Polyclonal |
| 剂型(Form) | Liquid |
| 保存条件(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 (Purification) | Affinity purification |

产品应用(Application)

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|-----------------------|--------------------------------------|
| 稀释比(Dilution Ratio) | WB 1:500-1:2000,ELISA 1:5000-1:20000 |
| 分子量(Molecular Weight) | 65kDa |

抗原信息(Antigen Information)

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|-----------------------|---|
| 基因名(Gene Name) | ZP4 |
| 别名(Alternative Names) | ZP4; ZPB; Zona pellucida sperm-binding protein 4; Zona pellucida glycoprotein 4; Zp-4; Zona pellucida protein B |
| 基因 ID(Gene ID) | 57829.0 |
| SwissProt ID | Q12836 |
| 免疫原(Immunogen) | The antiserum was produced against synthesized peptide derived from human ZP4. AA range:231-280 |

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

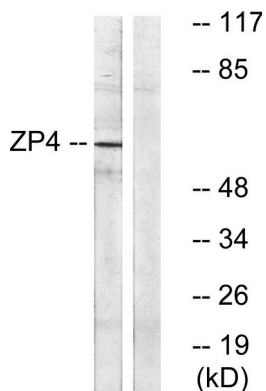
four glycoproteins with various functions during fertilization and preimplantation development. The nascent protein contains a N-terminal signal peptide sequence, a conserved ZP domain, a consensus furin cleavage site, and a C-terminal transmembrane domain. It is hypothesized that furin cleavage results in release of the mature protein from the plasma membrane for subsequent incorporation into the zona pellucida matrix. However, the requirement for furin cleavage in this process remains controversial based on mouse studies. Previously, this gene has been referred to as ZP1 or ZPB and thought to have similar functions as mouse Zp1. However, a human gene with higher similarity and chromosomal synteny to mouse Zp1 has been assigned the symbol ZP1 and this gene has been 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. ZP4 may act as a sperm receptor., 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., tissue specificity: Oocytes,

研究领域 (Research Area)

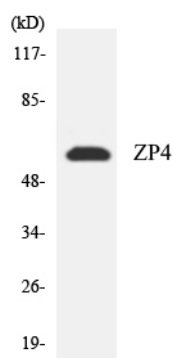
注意事项 (Note)

For research use only.

图片 (Image Data)



Western blot analysis of lysates from Jurkat cells, using ZP4 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HepG2 cells using ZP4 antibody.

EnkiLife 优势产品推荐

| 产品类别 | 产品货号 | 产品名称 |
|-----------------------------|----------|--|
| WB 解决方案 | RA10020 | 2h 极速 WB 即用型全流程试剂盒 |
| | RA10021 | 4h 快速 WB 即用型全流程试剂盒 |
| | RA10042 | 5h 畅享版 WB 全流程试剂盒 |
| | RA10037 | 校准级彩色预染蛋白 Marker (8-180kDa) |
| | RA10038 | 校准级彩色预染蛋白 Marker (10-250kDa) |
| | RA10039 | 校准级高分子彩色预染蛋白 Marker (25-400kDa) |
| TSA 多重荧光染色试剂盒 | RA10008 | TSA 双标三色多重荧光染色试剂盒 (mIHC) |
| | RA10009 | TSA 三标四色多重荧光染色试剂盒 (mIHC) |
| | RA10010 | TSA 四标五色多重荧光染色试剂盒 (mIHC) |
| | RA10011 | TSA 五标六色多重荧光染色试剂盒 (mIHC) |
| | RA10012 | TSA 六标七色多重荧光染色试剂盒 (mIHC) |
| IHC 检测试剂盒 | RA10006 | HRP Anti-Mouse/Rabbit IHC Detection System |
| | RA10007 | Polymer-HRP Anti-Mouse/Rabbit IHC Detection System |
| 抗体标记试剂盒 | RE80004p | 辣根过氧化物酶(HRP)抗体标记试剂盒 |
| | RE80002q | Sulfo-NHS-生物素标记试剂盒 |
| | RE80007p | Cy3 荧光素标记试剂盒 |
| | RE80011p | Fluor488 荧光素标记试剂盒 |
| | RE80017p | Fluor750 荧光素标记试剂盒 |
| | RE80005p | 藻红蛋白(R-PE) 抗体快速标记试剂盒 |
| | RE80040 | PE-Cy7 串联染料抗体快速标记试剂盒 |
| 稳转细胞系构建服务 (免费赠送全膜 WB 验证) | TS-0001 | 过表达稳转细胞系构建 |
| | TS-0002 | 敲低稳转细胞系构建 |
| | TS-0003 | 敲除细胞系构建 |

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