

产品名称: ZP4 Rabbit Polyclonal Antibody
产品货号: APRab20309



产品概述 (Summary)

产品名称 (Production Name)	ZP4 Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,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)	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
蛋白 ID (SwissProt ID)	Q12836.The antiserum was produced against synthesized peptide derived from human ZP4. AA range:231-280

产品应用 (Application)

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

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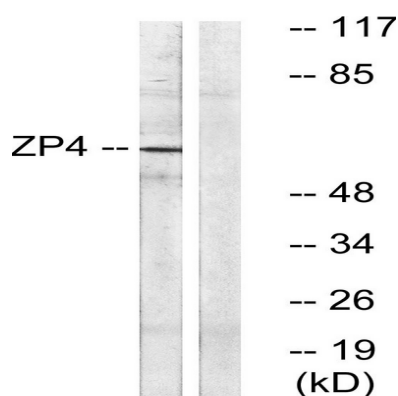


研究背景 (Background)

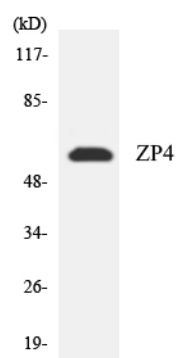
The zona pellucida is an extracellular matrix that surrounds the oocyte and early embryo. It is composed primarily of three or four glycoproteins with various functions during fertilization and preimplantation development. The nascent protein contains a N-terminal signal peptide sequence, a conserved 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)

图片 (Image Data)



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

注意事项 (Note)

For research use only .