

Anti-ZP4 antibody



Description	Rabbit polyclonal to ZP4.
Model	STJ96361
Host	Rabbit
Reactivity	Human
Applications	ELISA, WB
Immunogen	Synthesized peptide derived from human ZP4
Immunogen Region	200-280 aa, Internal
Gene ID	57829
Gene Symbol	ZP4
Dilution range	WB 1:500-1:2000ELISA 1:10000
Specificity	ZP4 Polyclonal Antibody detects endogenous levels of ZP4 protein.
Tissue Specificity	Oocytes.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Zona pellucida sperm-binding protein 4 Zona pellucida glycoprotein 4 Zp-4 Zona pellucida protein B Processed zona pellucida sperm-binding protein 4
Molecular Weight	65 kDa
Clonality	Polyclonal

Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:15770OMIM:613514
Alternative Names	Zona pellucida sperm-binding protein 4 Zona pellucida glycoprotein 4 Zp-4 Zona pellucida protein B Processed zona pellucida sperm-binding protein 4
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.
Sequence and Domain Family	The ZP domain is involved in the polymerization of the ZP proteins to form the zona pellucida.
Cellular Localization	Processed zona pellucida sperm-binding protein 4: Secreted, extracellular space, extracellular matrix. The glycoproteinaceous translucent extracellular matrix that surrounds the mammalian oocyte is called zona pellucida. Cell membrane
Post-translational Modifications	Proteolytically cleaved before the transmembrane segment to yield the secreted ectodomain incorporated in the zona pellucida.

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