



## Rabbit Anti-Zona pellucida glycoprotein 3 antibody

SL8006R

<b>Product Name:</b>	Zona pellucida glycoprotein 3
<b>Chinese Name:</b>	卵母细胞透明带glycoprotein3抗体
<b>Alias:</b>	HUMZP3; Processed zona pellucida sperm-binding protein 3; Sperm receptor; zona pellucida glycoprotein 3 (sperm receptor); Zona pellucida glycoprotein 3; zona pellucida glycoprotein 3A (sperm receptor); Zona pellucida glycoprotein ZP3; Zona pellucida protein C; Zona pellucida sperm binding protein 3 precursor; Zp-3; ZP3 372; ZP3 424; ZP3 474; ZP3; ZP3 HUMAN; ZP3A; ZP3A/ZP3B; ZP3B; ZPC
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Cow,Horse,Rabbit,
<b>Applications:</b>	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	47kDa
<b>Cellular localization:</b>	The cell membraneSecretory protein
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human Zona pellucida glycoprotein 3:101-200/424<Extracellular>
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	Preservative: 15mM Sodium Azide, Constituents: 1% BSA, 0.01M PBS, pH 7.4
<b>Storage:</b>	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 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>

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. ZP3 is essential for sperm binding and zona matrix formation.

**Subcellular Location:**

Secreted > extracellular space > extracellular matrix and Cell membrane.

**Tissue Specificity:**

Oocytes.

**Post-translational modifications:**

Proteolytically cleaved before the transmembrane segment to yield the secreted ectodomain incorporated in the zona pellucida.

N-glycosylated.

O-glycosylated; removal of O-linked glycans may play an important role in the post-fertilization block to polyspermy.

**Similarity:**

Belongs to the ZP domain family. ZPC subfamily.

Contains 1 ZP domain.

**SWISS:**

P21754

**Gene ID:**

7784

**Database links:**

[Entrez Gene: 280964](#) Cow

[Entrez Gene: 511](#) Cow

[Entrez Gene: 7784](#) Human

[Omim: 182889](#) Human

[SwissProt: P48830](#) Cow

[SwissProt: P21754](#) Human

[Unigene: 130553](#) Human

[Unigene: 656137](#) Human

**Product Detail:**

**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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