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ZP1 Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP13199b

Specification

ZP1 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession P60852

ZP1 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 22917

Other Names
Zona pellucida sperm-binding protein 1, Zona pellucida glycoprotein 1, Zp-1, Processed zona pellucida sperm-binding protein 1, ZP1

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP13199b was selected from the C-term region of ZP1. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

ZP1 Antibody (C-term) Blocking Peptide - Protein Information

Name ZP1

Function
Component of the zona pellucida, an extracellular matrix surrounding oocytes which mediates sperm binding, induction of the acrosome reaction and prevents post-fertilization polyspermy. The zona pellucida is composed of 3 to 4 glycoproteins, ZP1, ZP2, ZP3, and ZP4. ZP1 ensures the structural integrity of the zona pellucida.

Cellular Location
[Processed zona pellucida sperm-binding protein 1]: Zona pellucida

Tissue Location
Expressed in oocytes (at protein level).

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ZP1 Antibody (C-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

ZP1 Antibody (C-term) Blocking Peptide - Images

ZP1 Antibody (C-term) Blocking Peptide - Background

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.

ZP1 Antibody (C-term) Blocking Peptide - References

Anton, A.I., et al. Ann. Hematol. 89(11):1147-1154(2010)Ganguly, A., et al. Hum. Reprod. 25(7):1643-1656(2010)Han, S., et al. Hum. Immunol. 71(7):727-730(2010)Rajaraman, P., et al. Cancer Epidemiol. Biomarkers Prev. 19(5):1356-1361(2010)Rajaraman, P., et al. Cancer Epidemiol. Biomarkers Prev. 18(5):1651-1658(2009)