

## Anti-ZP1 Antibody Picoband® Fluoro550 Conjugated

Catalog Number: PB9970-Fluoro550

### About ZP1

Zona pellucida sperm-binding protein 1 (ZP1) is a protein that belongs to the mammalian zona pellucida. 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. Zp1 ensures the structural integrity of the zona pellucida. Mutations in this gene are a cause of oocyte maturation defect and infertility. And this gene is mapped to chromosome 11q12.2.

### Overview

|                      |  |
|----------------------|--|
| Product Name         | Anti-ZP1 Antibody Picoband® Fluoro550 Conjugated   |
| Reactive Species     | Human, Rat   |
| Application          | Recommended applications are based on the parent unconjugated antibody (WB). Customers may select suitable applications according to their experimental needs. |
| Clonality            | Polyclonal   |
| Formulation          | Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% Na <sub>3</sub> N.   |
| Storage Instructions | At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.   |
| Host                 | Rabbit   |
| Uniprot ID           | P60852   |

### Technical Details

|                     |   |
|---------------------|---|
| Immunogen           | A synthetic peptide corresponding to a sequence at the N-terminus of human ZP1, different from the related mouse sequence by four amino acids, and from the related rat sequence by five amino acids. |
| Cross Reactivity    | No cross-reactivity with other proteins   |
| Isotype             | Rabbit IgG  |
| Form                | Liquid  |
| Concentration       | 0.5 mg/mL   |
| Purification        | Immunogen affinity purified.  |
| Conjugate           | Fluoro550<br>Excitation Wavelength: 562 nm<br>Emission Wavelength: 576 nm   |
| Suggested Dilutions | Optimal dilutions should be determined by end users.  |

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