



ZP1, CT (ZP1, Zona pellucida sperm-binding protein 1, Zona pellucida glycoprotein 1, Processed zona pellucida sperm-binding protein 1) (AP)

Catalog number

044403-AP

Supplier

United States Biological

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.

Applications

Suitable for use in Western Blot, ELISA

Recommended Dilution

ELISA: 1:1,000

Western Blot: 1:100-500

Storage and Stability

Store product at 4°C. DO NOT FREEZE! Stable at 4°C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial prior to removing the cap.

Note

Applications are based on unconjugated antibody.

Immunogen

ZP1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 535-565 amino acids from the C-terminal region of human ZP1.

Formulation

Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Alkaline Phosphatase (AP).

Purity

Purified by Protein A affinity chromatography.

Specificity

Human

Product Type

Pab

Source

human



Isotype

IgG

Grade

Affinity Purified

Applications

E WB

Crossreactivity

Hu

Storage

4°C Do Not Freeze

Detection Method

AP

Reference

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)

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