

Datasheet for ABIN4886775
anti-ZP1 antibody (N-Term)



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1 Image

Overview

Quantity:	100 µg
Target:	ZP1
Binding Specificity:	AA 102-139, N-Term
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB)

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Zona pellucida sperm-binding protein 1(ZP1) detection. Tested with WB in Human,Rat.
Immunogen:	A synthetic peptide corresponding to a sequence at the N-terminus of human ZP1 (102-139aa HVLEKDGRFH LRVFMEAVLP NGRVDVAQDATLICPKPD), different from the related mouse sequence by four amino acids, and from the related rat sequence by five amino acids.
Sequence:	HVLEKDGRFH LRVFMEAVLP NGRVDVAQDA TLICPKPD
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Zona pellucida sperm-binding protein 1(ZP1) detection. Tested with WB in Human,Rat. Gene Name: zona pellucida glycoprotein 1 Protein Name: Zona pellucida sperm-binding protein 1

Product Details

Purification: Immunogen affinity purified.

Target Details

Target: ZP1

Alternative Name: ZP1 ([ZP1 Products](#))

Background: 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.

Synonyms: Zp1 | Zp-1 | Zp 1 | P60852

Gene ID: 22917

UniProt: [P60852](#)

Application Details

Application Notes: WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Rat
Notes: Tested Species: Species with positive results.
Other applications have not been tested. Optimal dilutions should be determined by end users.

Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Concentration: 500 µg/mL

Buffer: Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na₂HPO₄, 0.05 mg Sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

Images



Western Blotting

Image 1. Western blot analysis of ZP1 expression in rat ovary extract (Lane 1) and SKOV3 whole cell lysates (Lane 2). ZP1 at 70KD; 100KD was detected using rabbit anti-ZP1 Antigen Affinity purified polyclonal antibody (Catalog #) at 0.5 ??g/mL. The blot was developed using chemiluminescence (ECL) method (Catalog # EK1002).